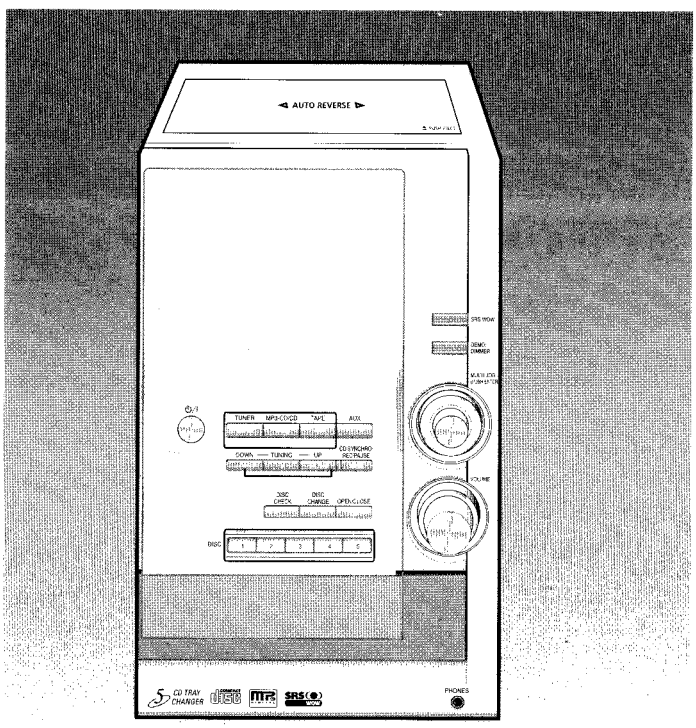
SAMSUNG

MICRO COMPONENT SYSTEM

MM-ZJ9
MM-ZJ9DAB

SERVICE Manual

MICRO COMPONENT SYSTEM



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1. Alignment and Adjustments
2. Exploded Views and Parts List
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- Confidential -

Notice !! You can search for the updated part code through ITSELF web site.
URL; http://itself.sec.samsung.co.kr

1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children--might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

4. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of the unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

5. Leakage Current Hot Check (Figure 1-1):
Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, etc.) and all exposed metal parts. Examples: Handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat.

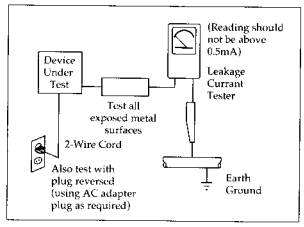

(Reading should not be above 0.5mA)
Device Under Test
Leakage Currant Tester
Test all exposed metal surfaces
2-Wire Cord
Also test with plug reversed (using AC adapter plug as required)
Earth Ground

Fig. 1-1 AC Leakage Test

6. Insulation Resistance Cold Check:
(1) With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. (2) Set the power switch to ON. (3) Measure the resistance between the shorted AC plug and any exposed metallic parts. Example: Screwheads, antenna, control shafts or handle brackets.

If any of the exposed metallic parts has a return path to the chassis, the measured resistance should be between 1 and 5.2 megohms. If there is no return path, the measured resistance should be "infinite." If the resistance is outside these limits, a shock hazard might exist. See Figure 1-2

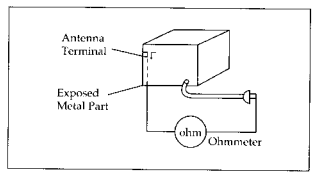


Fig. 1-2 Insulation Resistance Test

1-1 Safety Precautions (Continued)

7. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards

8. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that no wires or components touch thermally hot parts.

9. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

10 Components that are critical for safety are indicated in the circuit diagram by shading, ⚠ or ⚠ . Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning! First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring may be clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs). Examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static" (these can accumulate sufficient electrical charge to damage ESDs).

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handing unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

1-4 Special Precautions and Warning Labels for Laser Products

(UL)

This Product Complies with DHHS Rules 21CFR, Sub chapter J.At date of Manufacture

(CSA)

CERTIFIED ONLY TO CANADIAN ELECTRICAL CODE.

CERTIFIE EN VERTU DU CODE CANADIAN DE LELETRICITE SEULEMENT

(UL,CSA,EU)

CLASS 1 LASER PRODUCT

Fig. 1-3 Warning Labels (Location: Enclosure Block)

(UL,CSA,SCAN)

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED AVOIDEXPOSURE TO BEAM

ADVARSEL : USYNLIG LASERSTRALING VED ABNING NAR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGA UDSAETTELSE FOR STRALING

VARO!AVATTAESSA JA SUOJALUKITUS ONITETTAESSA OLET ALTTIINA NAKYMATTOMALLE LASERSATEILYLLE ALA KATSO SATEESEEN

VARNING!OSYNLIG LASERSTRALNING NAR DENNA DEL AR OPPNAD OCH SPARREN AR URKOPPLAD BETRAKTA EJSTRALEN!

(EU)

(SCAN)

UL : Manufactured for U.S.A. Market.
CSA : Manufactured for Canadian Market.
EU : Manufactured for European Market.
SCAN : Manufactured for Scandinavian Market.

Fig. 1-4 Warning Labels (Location: Disc Clamper, Inner Side of Unit Door or Nearby Unit Chassis)

1-4 Special Precautions and Warning Labels for Laser Products (Continued)

1-4-1 Warnings

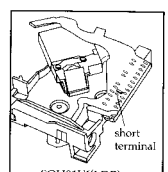
1. When servicing, do not approach the LASER exit with the eye too closely. In case it is necessary to confirm LASER beam emission, be sure to observe from a distance of more than 30 cm from the surface of the objective lens on the optical pick-up block.

2. Do not attempt to handle the objective lens when the DISC is not on the tray.

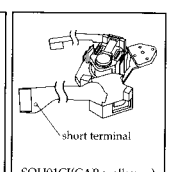
1-4-2 Laser Diode Specifications

Material: GaAs+ GaAlAs
Wavelength: 760-800 nm
Emission Duration: Continuous

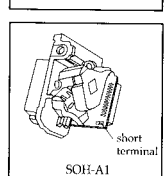
Laser Output: 0.2 mw (measured at a 1.6 mm distance from the objective lens surface on the optical pick-up block.)



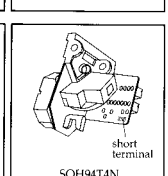
SOH91VI(LDP)



SOH91CI(CAR,walkman)



SOH-A1
(CMS-V10,CMS-V30)



SOH94T4N
(CMS-V10,CMS-V30)

1-4-3 Handling the Optical Pick-up

1. Static electricity from clothing or the body may cause electrostatic breakdown of the laser diode in the Optical Pickup. Follow this procedure:

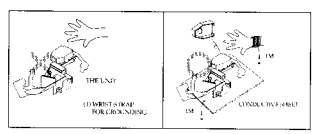
2. Place a conductive sheet on the work bench (i.e., the black sheet used for wrapping repair parts.) Note: The surface of the work bench should be covered by a copper ground plane, which is grounded.

3. The repair technician must wear a wrist strap which is grounded to the copper sheet.

4. To remove the Optical Pickup block:
Place the set on the conductive sheet, and momentarily touch the conductive sheet with both hands. (While working, do not allow any electrostatic sources--such as clothes--to touch the unit.)

5. Ground the "Short Terminal" (located on the PCB, inside the Pickup Assembly) before replacing the Pickup. This terminal should be shorted whenever the Pickup Assembly is lifted or moved.

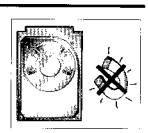
6. After replacing the Pickup, reopen the Short Terminal. See diagrams below:



1-5 Special Precautions for HDD

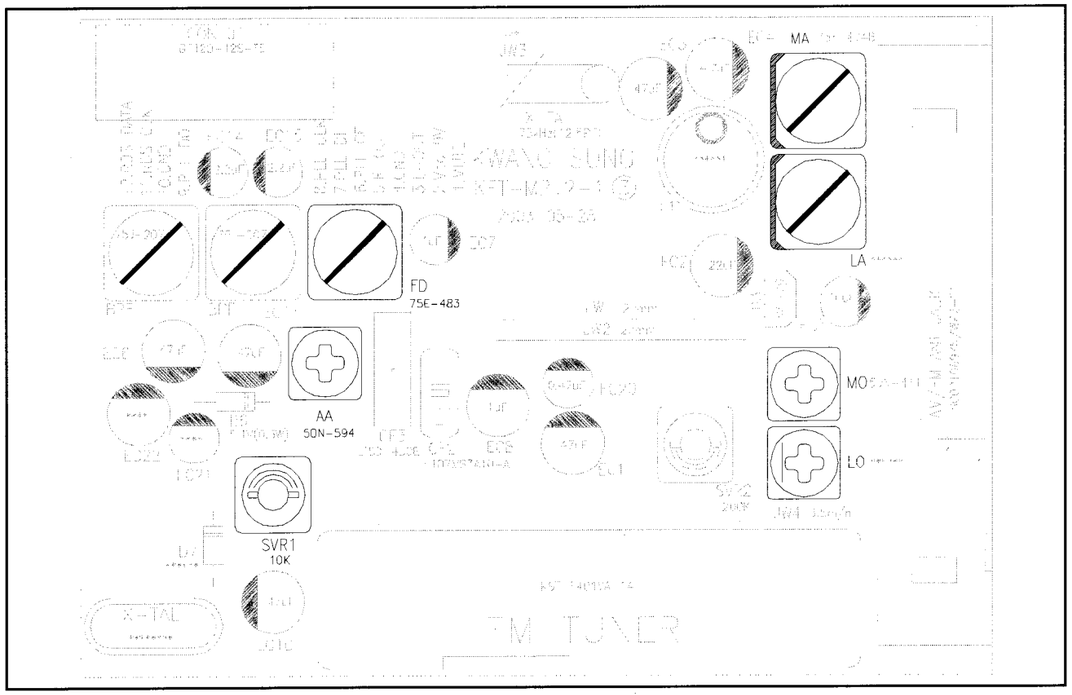
* HDD Data Maintenance Step
1. Since the data on the HDD is weak to mechanical shock, place the HDD in a safe location that is free from mechanical shock once it is removed from the main unit.

2. In order to safe keep the data on the HDD, back up the data before the repair or make sure not to place the HDD near any electrical appliance that generates a strong magnetic field.



1. Alignment and Adjustments

1-1. Tuner



* Adjustment Location of Tuner PCB

ITEAM	AM(MW) OSC Adjustment	AM(MW) RF Adjustment
Received FREQ.	522~1611 KHz	594 KHz
Adjustment point	MO	MA
Output	1~7.0±0.5V	Maximum Output(Fig1-4)

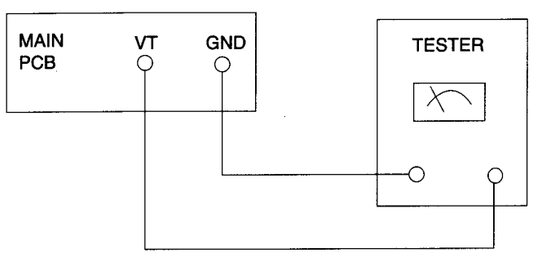


Fig 1-4 OSC Voltage

FM THD Adjustment	
SSG FREQ.	98 MHz
Adjustment point (FM DET)	FD
Output	60 dB
Minumum Distortion (0.4% below) (Figure 1-1)	

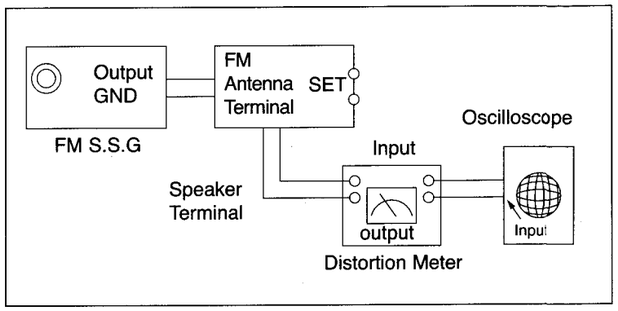


Figure1-1 IF CENTER and THD Adjustment

FM Search Level Adjustment	
SSG FREQ.	98 MHz
Adjustment point (SVR1)	SVR1 (10KΩ)
Output	28 dB(±2dB)
Adjust SVR1 so that "STEREO" of VFD is lighted (Figure 1-2)	

*Adjust FM S.S.G level to 28dB

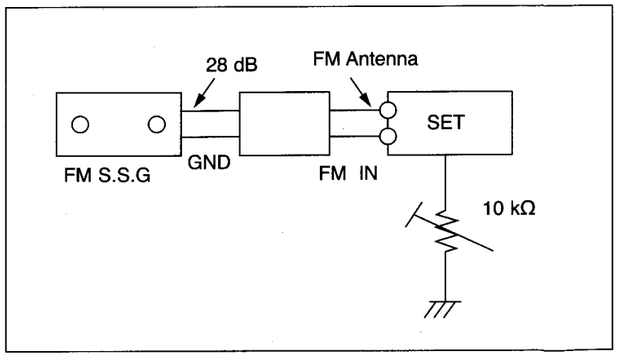


Figure1-2 FM Auto Search Level Adjustment

AM(MW) I.F Adjustment	
SSG FREQ.	450 kHz
Frequency	522 kHz
Adjustment point	AA
Maximum output (Figure 1-3)	

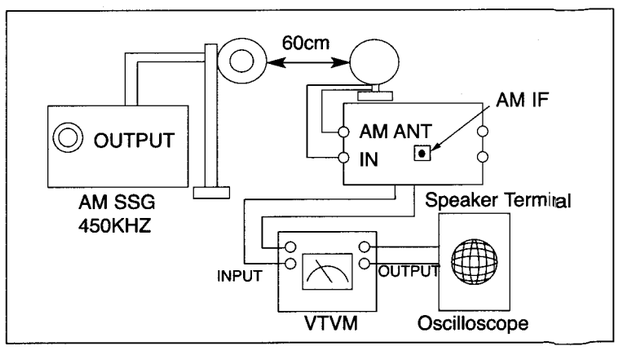


Figure1-3 AM I.F Adjustment

1-2 Cassette Deck

1. HEAD REPLACEMENT

After replacement, demagnetize. The heads by using a degausser.

Be sure to clean the heads before attempting to make any adjustments.

All wiring should be returned to the original position after work is completed.

2. HEAD AZIMUTH ADJUSTMENT

(1) Load the test tape(VTT-703,etc., 10KHZ) for azimuth adjustment.

(2) Press the PLAY button.

(3) Use a cross-tip screwdriver to turn the screw for azimuth adjustment so that left and right output are maximized

(4) Press the STOP button.

(5) After completion of the adjustment, use thread lock (TB-1401B) to secure the azimuth-adjustment screw.

3. MOTOR REPLACEMENT

4. AC BIAS FREQUENCY ADJUSTMENTS

(1) connect counter to T100(BS);

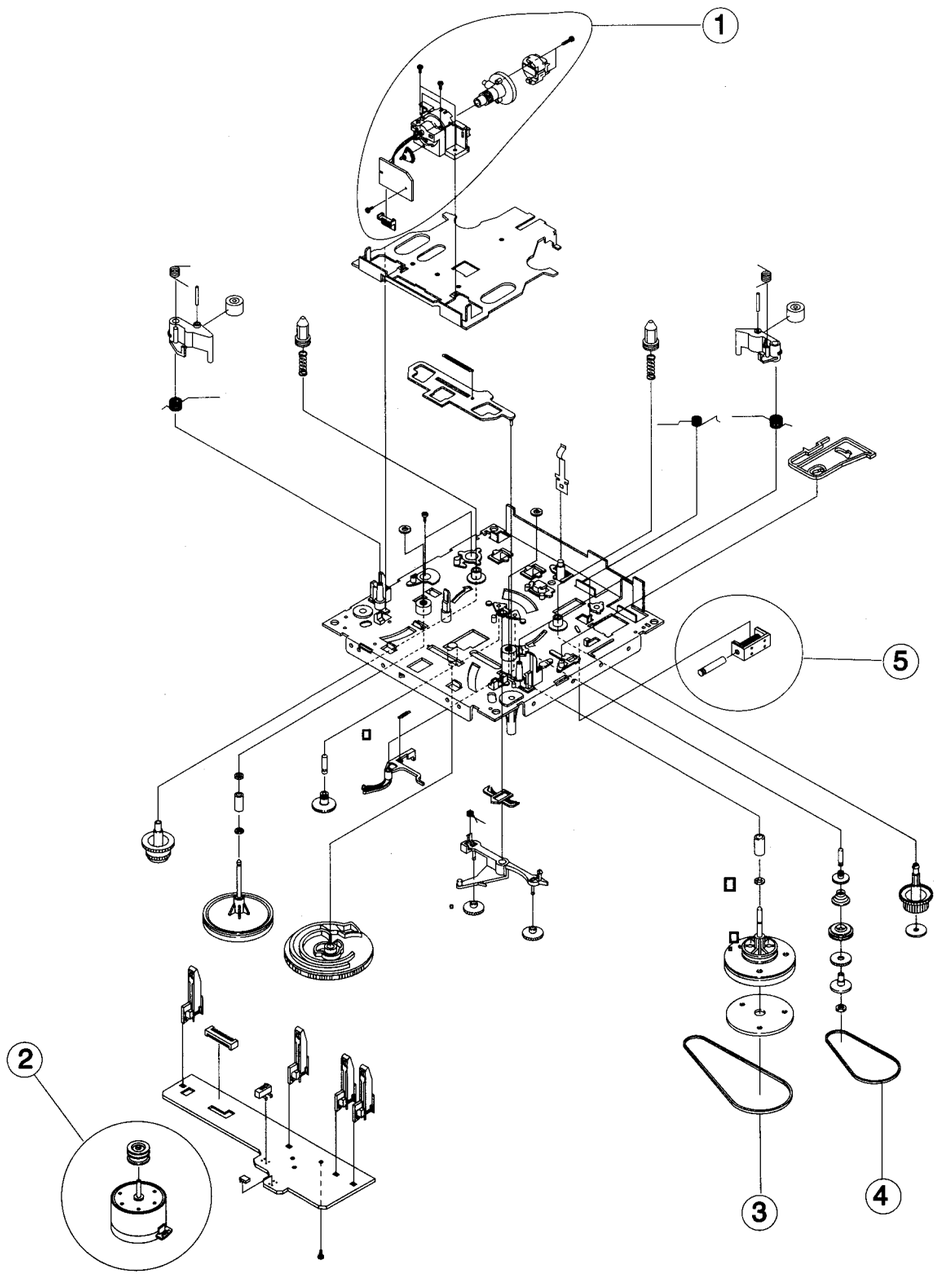
(2) R/P swith in recording state;

(3) Adjusting T100 use a plastic screw, AC bias frequency: 80KHZ.

2.Exploded Views and Parts List

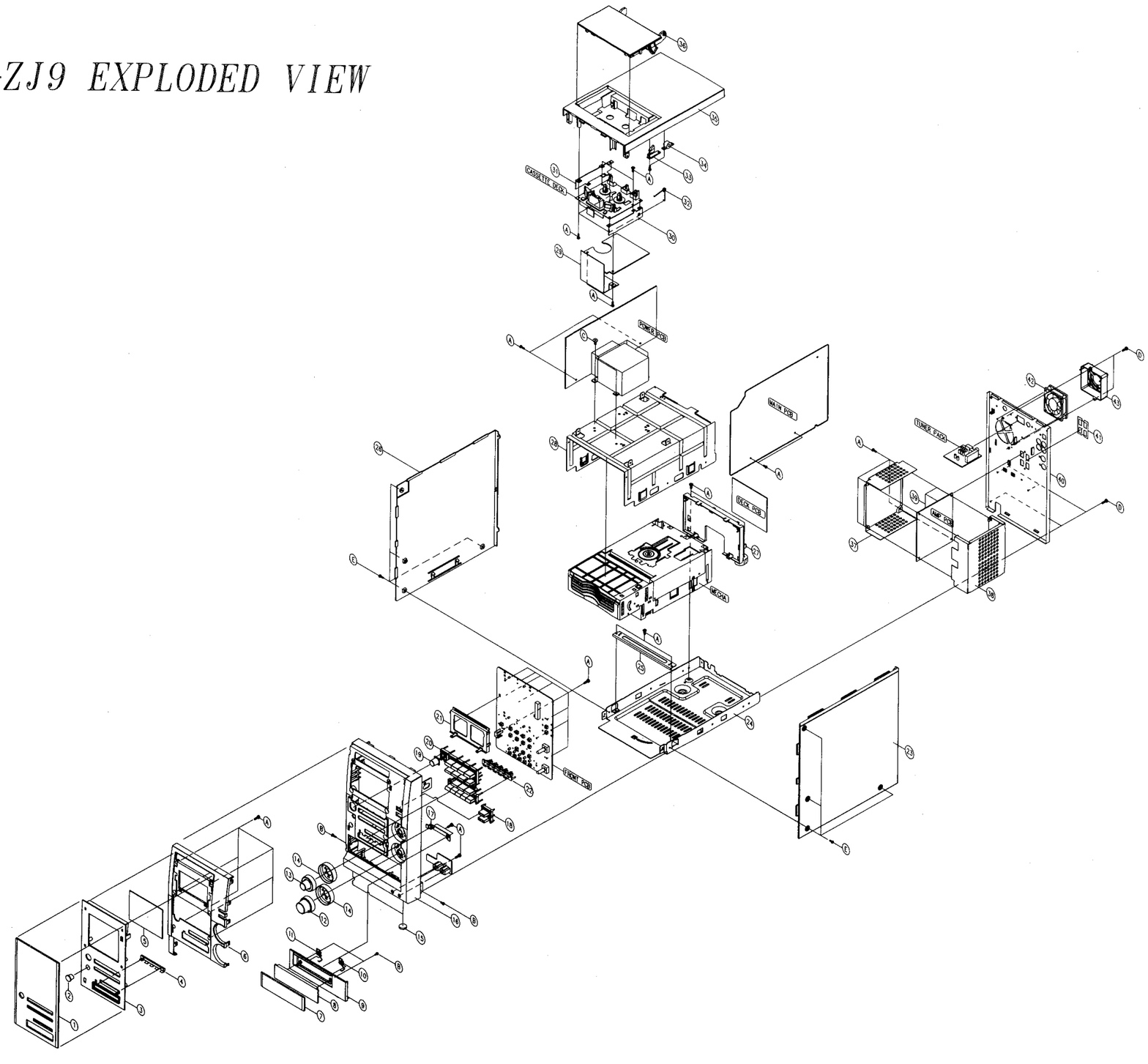
2-1 Cassette Deck Exploded View and Parts List

* AUTO REVERSE : ADR249BTR2 (OPTION)



	AH59-01304A	**DECK-CASSETTE**	**ADR249BTR2**	
1	AH81-01410A	ASS'Y HEAD	TR56RAF2N1	M59-11013F
2	AH81-01412A	ASS'Y MOTOR	EG-503AD-2B	M91-15013Y
3	AH81-00144A	BELT FR	ADR2400-MAIN64.6	6602-001050
4	AH81-01411A	BELT SUB	37.1X1.1X1.1	6602-K0001A
5	AH81-00102A	SOLENOID	DAT-05A1	MT75-00049A

MM-ZJ9 EXPLODED VIEW

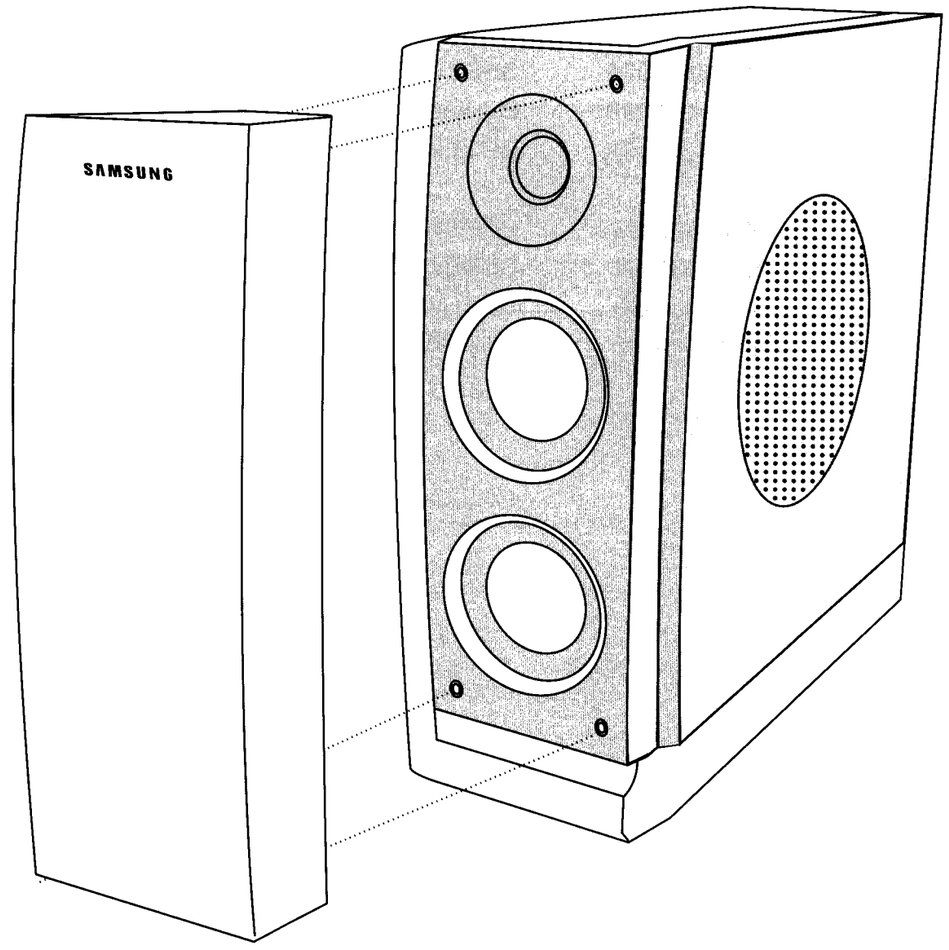


* Parts List of The Exploded View

No.	Code No.	Description	Q'TY	Remarks
1	AH64-02979B	WINDOW-VFD	1	NO-EUROPE
	AH64-02979D		1	EUROPE
2	AH67-00258C	LENS-PSOUND	1	
3	AH63-00711B	COVER-FRONT	1	
4	AH67-00289A	LENS-DISC	1	
5	AH63-00826A	SHEET-VFD	1	
6	AH64-02966B	DECO-FRONT	1	
7	AH64-02980A	WINDOW-CD DOOR	1	
8	AH64-02969B	DECO-CD DOOR	1	
9	AH64-02968B	DOOR-CD	1	
10	AH61-01598B	SPRING-CD DOOR,R	1	
11	AH61-01598A	SPRING-CD DOOR,L	1	
12	AH64-03198A	KNOB-VOL ASSY	1	
13	AH64-03199A	KNOB-JOG ASSY	1	
14	AH64-02974B	DECO-VOLUME	1	
15	AH73-00011B	RUBBER-FOOT	1	
16	AH64-02962B	CABINET-FRONT	1	NO-EUROPE
	AH64-02962C		1	EUROPE
17	AH61-01616A	BRKT-CD DOOR	1	
18	AH64-02971B	KNOB-DISPLAY	1	
19	AH64-02975B	DECO-POWER	1	
20	AH64-02970B	KNOB-FUNCTION	1	
21	AH61-01590A	HOLDER-VFD	1	
22	AH61-01684A	HOLDER-DISC	1	
23	AH64-02965B	CABINET-SIDE,R	1	
24	AH64-02976A	CABINET-BOTTOM	1	
25	AH61-01593A	BRKT-MECHA	1	
26	AH64-02964B	CABINET-SIDE,L	1	
27	AH61-01589A	HOLDER-PCB	1	
28	AH61-01592A	FRAME-CHASSIS	1	
29	AH63-00782A	SHIELD-DECK	1	
30	AH61-01595A	BRKT-DECK R	1	
31	AH61-01594A	BRKT-DECK L	1	
32	AH61-00857A	SPRING-DOOR	1	
33	AH95-50001A	LATCH ASSY	1	
34	AH61-80030A	DAMPER ASSY	1	
35	AH64-02963B	CABINET-TOP	1	
36	AH64-02967B	DOOR-CASS	1	
37	AH61-01596A	BRKT-PCB A	1	
38	AH61-01597A	BRKT-COVER A	1	
39	AH62-00124A	HEAT-SINK,MAIN	1	
40	AH64-02977B	CABINET-REAR	1	EUROPE
	AH64-02977C		1	NO-EUROPE
	AH64-02977D		1	UMG
41	AH63-00837A	SHEET-SPEAKER	1	
42	AH31-00039B	DC FAN	1	
43	AH63-00517A	COVER-FAN	1	
A	6003-000283	SCREW-TAPTITE		
B	6003-001464	SCREW-TAPTITE		
C	6003-001463	SCREW-MACHINE		
D	6003-000282	SCREW-TAPTITE		

2-3 SPEAKER Exploded View and Parts list

* CAUTION : It is used the bonding, connect FRONT PANEL to CABINET WOODEN.
So when the disassembly, take extreme care not to damage the SPEAKER.



①

NO.	CODE NO.	Description
	AH59-01367B	**PSZJ9E**
	AH81-01452A	**SPEAKER "L" 1PC**
	AH81-01452B	**SPEAKER "R" 1PC**
①	AH81-01452J	FRAME NET

3. Electrical Parts List

*S.N.A. : Service Not Available

Location no.	Code no.	Description & Specification	Remarks
	3809-000169	CABLE-FLAT;30V,80C,150mm,12P,1.25mm,UL28	
	3809-001280	CABLE-FLAT;30V,80C,250MM,17P,1.25MM,UL28	
	3809-001622	CABLE-FLAT;30V,-,100mm,22P,1.25mm,UL2896	
	AH26-00307A	TRANS POWER;-,MM-ZJ9,-,17,-,-,-,230V,50H	
	AH39-00257F	POWER CORD;MAX960,-,CP2,250V,2.5A,1830MM	
	AH39-00320C	CBF COAXIAL CABLE;MAX-L68,110REC,-,1007#	
	AH40-00088A	TUNER-FM/AM;RDS;MJ104MA1-55C,MAX-DJ750,F	
	AH42-20001P	ANT LOOP;KS971120-01,-,18.5uH##10%,-,-	
	AH59-01265E	**REMOCON-ASSY;MM-ZJ9,SAMSUNG,-,-,37KEY,-,**	
SPK	**AH59-01367B**	**SPEAKER SYSTEM;PS-ZJ9,-,-,-,-,-,ELS,SP**	
	AH81-01452A	A/S PART-SPEAKER SYSTEM L;PS ZJ9,-,-,SPE	
	AH81-01452B	A/S PART-SPEAKER SYSTEM R;PS ZJ9,-,-,SPE	
	AH59-01382A	**DECK-CMS-300V,G4HI-5CD;G4HI-5CD,MM-ZJ9,-**	
	3809-001580	CABLE-FLAT;30V,80C,300,14P,1mm,AWM2896	
	3809-001615	CABLE-FLAT;500V,-,150mm,16P,1.0mm,UL2069	
	AH39-00644A	WIRE HARNESS;MM-ZJ9,UL1007#28,-,6P,-,WHI	
	AH91-60150C	ASSY CDP DECK;CMS-D73SG6(U)/JVC,CMS-300D	
	3409-001078	SWITCH-LEAF;16Vdc,500mA,10gf,SPST	
	AH30-00007A	PICK UP;SOH-AD3,-,-,-,100*80*45,D73SG6	
	AH92-02137A	**ASSY PCB-G4HI-5CD;MM-ZJ9,G4HI-5CD**	
C121	2401-000407	C-AL;10UF,20%,16V,GP,TP,3.5X5,2.5	
C306	2401-000778	C-AL;220uF,20%,10V,GP,-,6.3x11,2.5m	
X201	2802-000211	RESONATOR-CERAMIC;16.93MHz,0.5%,TP,10.0x	
CW101	3708-001252	CONNECTOR-FPC/FFC/PIC;16P,1MM,STRAIGHT-F	
CW103	3708-001758	CONNECTOR-FPC/FFC/PIC;14P,1MM,STRAIGHT,S	
CW106	3711-000494	CONNECTOR-HEADER;BOX,6P,1R,2mm,STRAIGHT,	
CW105	3711-003409	CONNECTOR-HEADER;BOX,3P,1R,2mm,STRAIGHT,	
CW104	AH39-00060A	LEAD CONNECTOR ASSY;-,51015-08,51004-08,	
D303	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
D301	0402-000151	DIODE-RECTIFIER;1N5392,100V,1.5A,DO-15,T	
ZD301	0403-000344	DIODE-ZENER;UZ3.9B,3.7-4.1V,500MW,DO-35,	
ZD302	0403-001220	DIODE-ZENER;UZ2.7BSB,2.7-2.9V,500MW,DO-3	
D302	0404-000144	DIODE-SCHOTTKY;SB01-05CP,50V,100MA,SOT-2	
Q302	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q301	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
Q101	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
IC301	1003-000179	IC-MOTOR DRIVER;KA9258D,SOP,28P,-,SINGLE	
IC202	1105-001261	IC-DRAM;12L1616A,16BIT,TSOP,50P,400MIL	
IC101	1204-001799	IC-ASP;KB9226,LQFP,48P,393MIL,PLASTIC	
IC201	1204-002230	IC-DECODER;S5L9279X01,TQFP,100P,-,PLASTI	
R134	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R212	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R103	2007-000001	R-CHIP;68Kohm,5%,1/8W,TP,2012	
OJ2	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW304	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW243	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW214	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JW242	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JW267	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JW283	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JW289	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
OJ1	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JW198	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JW228	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JW229	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JW239	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JW241	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
R201R	2007-000282	R-CHIP;100Kohm,5%,1/8W,TP,2012	
R201L	2007-000282	R-CHIP;100Kohm,5%,1/8W,TP,2012	
R115	2007-000282	R-CHIP;100Kohm,5%,1/8W,TP,2012	
R202L	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	
R202R	2007-000290	R-CHIP;100ohm,5%,1/8W,TP,2012	
R217	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
R114	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
R113	2007-000300	R-CHIP;10Kohm,5%,1/8W,TP,2012	
R125	2007-000308	R-CHIP;10ohm,5%,1/8W,TP,2012	
R120	2007-000338	R-CHIP;120Kohm,5%,1/8W,TP,2012	
R119	2007-000338	R-CHIP;120Kohm,5%,1/8W,TP,2012	
R110	2007-000355	R-CHIP;12Kohm,5%,1/8W,TP,2012	
R117	2007-000409	R-CHIP;15Kohm,5%,1/8W,TP,2012	
R102	2007-000444	R-CHIP;180Kohm,5%,1/8W,TP,2012	
R101	2007-000457	R-CHIP;18Kohm,5%,1/8W,TP,2012	
R305	2007-000468	R-CHIP;1Kohm,5%,1/8W,TP,2012	
R108	2007-000468	R-CHIP;1Kohm,5%,1/8W,TP,2012	
R112	2007-000477	R-CHIP;1Mohm,5%,1/8W,TP,2012	
R209	2007-000477	R-CHIP;1Mohm,5%,1/8W,TP,2012	
R109	2007-000546	R-CHIP;20Kohm,5%,1/8W,TP,2012	
R214	2007-000572	R-CHIP;220ohm,5%,1/8W,TP,2012	
R218	2007-000572	R-CHIP;220ohm,5%,1/8W,TP,2012	
R123	2007-000653	R-CHIP;27Kohm,5%,1/8W,TP,2012	
R216	2007-000872	R-CHIP;4.7Kohm,5%,1/8W,TP,2012	
R208	2007-000872	R-CHIP;4.7Kohm,5%,1/8W,TP,2012	
R207	2007-000872	R-CHIP;4.7Kohm,5%,1/8W,TP,2012	
R203	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R204	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R205	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R206	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R210	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R211	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R104	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R105	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R106	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R107	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R201	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R202	2007-000931	R-CHIP;470ohm,5%,1/8W,TP,2012	
R215	2007-000941	R-CHIP;47Kohm,5%,1/8W,TP,2012	
R124	2007-000941	R-CHIP;47Kohm,5%,1/8W,TP,2012	
R118	2007-000941	R-CHIP;47Kohm,5%,1/8W,TP,2012	
R131	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	
R130	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	
R129	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	
R128	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	
R121	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	
R116	2007-001039	R-CHIP;56Kohm,5%,1/8W,TP,2012	
R111	2007-001177	R-CHIP;8.2Kohm,5%,1/8W,TP,2012	
R133	2007-001195	R-CHIP;820Kohm,5%,1/8W,TP,2012	
R122	2007-001208	R-CHIP;82Kohm,5%,1/8W,TP,2012	
R127	2007-001208	R-CHIP;82Kohm,5%,1/8W,TP,2012	
R132	2007-001208	R-CHIP;82Kohm,5%,1/8W,TP,2012	
R302	2007-001216	R-CHIP;82ohm,5%,1/8W,TP,2012	
R301	2007-001216	R-CHIP;82ohm,5%,1/8W,TP,2012	
R126	2007-001216	R-CHIP;82ohm,5%,1/8W,TP,2012	
C225	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C226	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C230	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C233	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C235	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C237	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C215	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C108	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C109	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C111	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C130	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C129	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C123	2203-000203	C-CER,CHIP;100nF,10%,16V,X7R,TP,2012,2mm	
C231	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C232	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C238	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C240	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C307	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C112	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C113	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C114	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C228	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C229	2203-000239	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,2012	
C213	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C216	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C219	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C221	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C222	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C210	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C115	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C119	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C120	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C133	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C206	2203-000260	C-CER,CHIP;10nF,10%,50V,X7R,TP,2012	
C126	2203-000495	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C127	2203-000595	C-CER,CHIP;0.22NF,5%,50V,C0G,TP,2012	
C135	2203-000609	C-CER,CHIP;22nF,10%,50V,X7R,TP,2012	
C205	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C204	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C201	2203-000787	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,2012	
C116	2203-000802	C-CER,CHIP;33nF,10%,50V,X7R,TP,2012	
C128	2203-000802	C-CER,CHIP;33nF,10%,50V,X7R,TP,2012	
C125	2203-000840	C-CER,CHIP;0.39NF,5%,50V,C0G,TP,2012	
C102	2203-000892	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,2012	
C103	2203-000892	C-CER,CHIP;4.7nF,10%,50V,X7R,TP,2012	
C118	2203-000919	C-CER,CHIP;470nF,+80-20%,16V,Y5V,TP,2012	
C124	2203-001064	C-CER,CHIP;56NF,10%,50V,C0G,TP,2012	
C122	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
C136	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
C202R	2203-001537	C-CER,CHIP;1nF,10%,50V,X7R,TP,2012	
C202L	2203-001537	C-CER,CHIP;1nF,10%,50V,X7R,TP,2012	
C132	2203-001537	C-CER,CHIP;1nF,10%,50V,X7R,TP,2012	
C110	2203-001537	C-CER,CHIP;1nF,10%,50V,X7R,TP,2012	
C134	2203-001551	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,2012	
C217	2203-001619	C-CER,CHIP;0.027nF,5%,50V,NP0,TP,2012	
C218	2203-001619	C-CER,CHIP;0.027nF,5%,50V,NP0,TP,2012	
C239	2401-000240	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C234	2401-000240	C-AL;100uF,20%,10V,GP,TP,5x11,5	
C201L	2401-001238	C-AL;4.7uF,20%,25V,GP,BK,3x5,1mm	
C201R	2401-001238	C-AL;4.7uF,20%,25V,GP,BK,3x5,1mm	

Location no.	Code no.	Description & Specification	Remarks
C301	2401-001364	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
C105	2401-001625	C-AL,6.8uF,20%,50V,GP,TP,5x11,5	
C211	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C214	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C224	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C236	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C303	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C304	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C305	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C208	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C104	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C106	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C107	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C131	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C139	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C203	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C207	2401-001934	C-AL;220uF,20%,6.3V,GP,-,6.3x7,-	
C117	2404-000148	C-TA,CHIP;1uF,10%,20V,-,TP,3216	
BD201	3301-000353	BEAD-SMD;120ohm,2x1.25x0.9mm,200mA,TP,,	
	AH97-01314A	ASSY CDP DECK;SDM-E51,5##,SDM-E51	
	AH92-02149B	**ASSY PCB-MAIN MANU;MM-ZJ9,MAIN MANU**	
OJK1	0603-001069	OPTIC TRANSMITTER;5V,8Mb/s,-,-17dBm,660n	
AIC3	1003-001162	IC-MOTOR DRIVER;KA3082,SIP,10PIN,25MIL,D	
WIC5	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
WIC4	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
WIC1	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
MIC2	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
FIC1	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
AIC2	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
HIC2/OPTION	1201-001285	IC-OP AMP;4556,SOP,8P,150MIL,+/-18V,100d	
DIC1	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P,-,PLAS	
MIC3	1203-000294	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLAS	
AIC1	1204-001465	IC-VOLUME/TONE CONT.;TDA7440D,SOP,28,18.	
SIC1	1204-002114	IC-AUDIO PROCESSOR;NJM2700G-TE1,SOP,40P,	
UX1	2801-001394	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAY,12.5	
UX2	2802-001198	RESONATOR-CERAMIC;10MHZ,0.5%,BK,8X3X5.5M	
OF1	2901-001139	FILTER-EMI ON BOARD;50V,.5A,-,390PF,7X2.	
CN1	3708-000193	CONNECTOR-FPC/FFC/PIC;17P,1.25MM,STRAIGH	
CN8	3708-000193	CONNECTOR-FPC/FFC/PIC;17P,1.25MM,STRAIGH	
CN2	3708-000411	CONNECTOR-FPC/FFC/PIC;12P,1.25MM,STRAIGH	
CN7	3708-001033	CONNECTOR-FPC/FFC/PIC;22P,1.25MM,STRAIGH	
CN17	3708-001758	CONNECTOR-FPC/FFC/PIC;14P,1MM,STRAIGHT,S	
CN13	3711-001098	CONNECTOR-HEADER;BOX,7P,1R,2.5mm,STRAIGH	
CN5	3711-002808	CONNECTOR-HEADER;BOX,7P,1R,2mm,STRAIGHT,	
CN3	3711-002809	CONNECTOR-HEADER;BOX,8P,1R,2mm,STRAIGHT,	
CN12	3711-003409	CONNECTOR-HEADER;BOX,3P,1R,2mm,STRAIGHT,	
PCN1	3711-005670	CONNECTOR-HEADER;BOX,15P,1R,2.5m,STRAIGH	
JACK1	3722-001727	JACK-PIN;2P,8.3PI,NI-P,BLK,-	
UIC1	AH11-00148A	MASK ROM;LC876780B-54L6,-,-,-,-,-,-,-	
OIC1	AH14-10004R	IC;M74HCU04,SOP,TAPE 14P	
UD50	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
UD2	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
UD16	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
MD1	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
UD1	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
UD15	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
UD24	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD20	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD19	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
AD4	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD17	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD18	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
AZD1	0403-000399	DIODE-ZENER;UZP9.1B,8.5-9.6V,1000MW,DO-4	
AZD4	0403-000399	DIODE-ZENER;UZP9.1B,8.5-9.6V,1000MW,DO-4	
AZD2	0403-000509	DIODE-ZENER;MTZJ5.6B,5.4-5.7V,500MW,DO-3	
CQ2	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
CQ3	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
AQ7	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
AQ6	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
WQ1	0501-000407	TR-SMALL SIGNAL;KSD471A-Y,NPN,800mW,TO-9	
FQ3	0501-000407	TR-SMALL SIGNAL;KSD471A-Y,NPN,800mW,TO-9	
FQ2	0501-000407	TR-SMALL SIGNAL;KSD471A-Y,NPN,800mW,TO-9	
CQ3	0501-000407	TR-SMALL SIGNAL;KSD471A-Y,NPN,800mW,TO-9	
CQ2	0501-000407	TR-SMALL SIGNAL;KSD471A-Y,NPN,800mW,TO-9	
UQ3	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,T0-92,	
UQ4	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,T0-92,	
UQ5	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,T0-92,	
UQ6	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,T0-92,	
HQ1L	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,T0-92,	
HQ1R	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,T0-92,	
UQ1	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,T0-92,	
UQ2	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,T0-92,	
JW189	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
JW188	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
JW187	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
WQ2	0504-001128	TR-DIGITAL;KRA103M,PNP,400MW,22K/22K,TO-	
HQ2	0504-001128	TR-DIGITAL;KRA103M,PNP,400MW,22K/22K,TO-	
FQ1	0504-001128	TR-DIGITAL;KRA103M,PNP,400MW,22K/22K,TO-	
CQ1	0504-001128	TR-DIGITAL;KRA103M,PNP,400MW,22K/22K,TO-	
HR6R	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
HR6L	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
WR53	2001-000012	R-CARBON;680KOHM,5%,1/8W,AA,TP,1.8X3.2M	

Location no.	Code no.	Description & Specification	Remarks
HR7R	2001-000022	R-CARBON(S);33OHM,5%,1/2W,AA,TP,2.4X6.4M	
HR7L	2001-000022	R-CARBON(S);33OHM,5%,1/2W,AA,TP,2.4X6.4M	
AR29	2001-000027	R-CARBON;100OHM,5%,1/4W,AA,TP,2.4X6.4MM	
AR43	2001-000027	R-CARBON;100OHM,5%,1/4W,AA,TP,2.4X6.4MM	
AR35	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
AR33	2001-000036	R-CARBON;330OHM,5%,1/4W,AA,TP,2.4X6.4MM	
AR31	2001-000047	R-CARBON;2.2KOHM,5%,1/4W,AA,TP,2.4X6.4M	
AR30	2001-000052	R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.	
AR34	2001-000076	R-CARBON;47KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
AR32	2001-000076	R-CARBON;47KOHM,5%,1/4W,AA,TP,2.4X6.4MM	
SR11	2001-000111	R-CARBON;150OHM,5%,1/4W,AA,TP,2.4X6.4MM	
HR5R	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
HR5L	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR52	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
HR8L	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
HR8R	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR10L	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR12	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR13	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR13R	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR10L	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR10R	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR12L	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR12R	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR13L	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR22	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR23	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR24	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR25	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR26	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR17	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR18	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR19	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR20	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR21	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR27	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR33	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR34	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR35	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR56	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR7	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR28	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR29	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR30	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR31	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR32	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW185	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW186	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW190	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW191	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW192	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW180	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW181	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW182	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW183	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW184	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW193	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW199	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR108	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR109	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR15	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR16	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW194	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW195	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW196	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW197	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JW198	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR63	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR62	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR61	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR107	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR4	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR64	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
WR55	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR68	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR67	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR66	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR65	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
MR12	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR2L	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR104	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR103	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR102	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR101	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR2R	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
MR11	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR5R	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR5L	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR3R	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR3L	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR10	2001-000295	R-CARBON;10MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
MR18	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
MR17	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Location no.	Code no.	Description & Specification	Remarks
UR14	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR1	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR2	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR3	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR4	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR5	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR8	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR27	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR28	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR91	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
HR11	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR5	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR40	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
MR14	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
MR15	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
MR16	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR12	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR11	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
MR13	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR21L	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR21R	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR11L	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR11R	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
HR1	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR11	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR56	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR4R	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
AR4L	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR8R	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
HR2L	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
HR2R	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR51	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR6L	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR8L	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR8L	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR20	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
CR1	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
CR2	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
CR3	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR6L	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR6R	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR50	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR13	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
SR3	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
HR3R	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
HR3L	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
ER11	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR1R	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR1L	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR54	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR57	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR51	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR50	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR49	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR48	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR47	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
WR7L	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR55	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR54	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR53	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR52	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR46	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR1	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
HR4R	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
HR4L	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR7R	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR7L	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR45	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR44	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR42	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR105	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SR2	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
WR48	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
SR9	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
SR7	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
SR6	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
SR10	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2m	
UR9	2001-000850	R-CARBON;560KOHM,5%,1/8W,AA,TP,1.8X3.2M	
WR9L	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
WR49	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
WR45	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
WR44	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FR9R	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
FR9L	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR7R	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR7L	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR6R	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR22L	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR22R	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR6L	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
AR8	2001-001004	R-CARBON;82OHM,5%,1/4W,AA,TP,2.4X6.4MM	
AR188	2001-001096	R-CARBON(S);2.2OHM,5%,1/2W,AA,TP,2.4X6.4	
AR160	2001-001096	R-CARBON(S);2.2OHM,5%,1/2W,AA,TP,2.4X6.4	

Location no.	Code no.	Description & Specification	Remarks
OC3	2201-000379	C-CERAMIC,DISC;22NF,+80-20%,50V,Y5V,TP,9	
UC1	2201-000389	C-CERAMIC,DISC;0.022NF,5%,50V,C0G,TP,5X3	
UC2	2201-000389	C-CERAMIC,DISC;0.022NF,5%,50V,C0G,TP,5X3	
OC1	2201-000487	C-CERAMIC,DISC;33pF,5%,50V,SL,TP,5x3.5m	
AC60	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
AC61	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
OC4	2201-000800	C-CERAMIC,DISC;0.12NF,5%,50V,SL,TP,5X3.5	
UC25R	2202-000145	C-CERAMIC,MLC-AXIAL;0.12NF,10%,50V,Y5P,T	
UC25L	2202-000145	C-CERAMIC,MLC-AXIAL;0.12NF,10%,50V,Y5P,T	
UC25	2202-000145	C-CERAMIC,MLC-AXIAL;0.12NF,10%,50V,Y5P,T	
HC2R	2202-000231	C-CERAMIC,MLC-AXIAL;0.33NF,10%,50V,Y5P,T	
HC2L	2202-000231	C-CERAMIC,MLC-AXIAL;0.33NF,10%,50V,Y5P,T	
AC2R	2202-000231	C-CERAMIC,MLC-AXIAL;0.33NF,10%,50V,Y5P,T	
AC2L	2202-000231	C-CERAMIC,MLC-AXIAL;0.33NF,10%,50V,Y5P,T	
AC1R	2202-000231	C-CERAMIC,MLC-AXIAL;0.33NF,10%,50V,Y5P,T	
AC1L	2202-000231	C-CERAMIC,MLC-AXIAL;0.33NF,10%,50V,Y5P,T	
WC33	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP	
SC19	2202-000644	C-CERAMIC,MLC-AXIAL;33nF,10%,50V,X7R,TP,	
SC14	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
SC15	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
SC16	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
SC9	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
UC12	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
UC13	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
UC14	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
UC15	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
UC16	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
AC10L	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
AC10R	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
AC11L	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
AC11R	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
AC18	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
SC13	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
SC12	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
SC11	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
SC10	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
UC29	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
UC30	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
WC3L	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
UC28	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
CC4	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
CC5	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
UC27	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
HC8L	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
HC8R	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
UC23	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
SC20	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
AC17	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP,	
SC23	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
MC8	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
MC7	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
HC3R	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
HC3L	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
FC3R	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
FC3L	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
AC12R	2202-000820	C-CERAMIC,MLC-AXIAL;5.6nF,20%,16V,Y5R,TP	
AC12L	2202-000820	C-CERAMIC,MLC-AXIAL;5.6nF,20%,16V,Y5R,TP	
SC3	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
SC4	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
SC5	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
WC37	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
WC39	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
WC41	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
WC43	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
FC31	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
FC32	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
HC4	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
HC7	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
SC2	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
MC14	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
MC11	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
WC35	2301-000128	C-FILM,LEAD-PEF;100nF,5%,50V,TP,10X9X4.3	
SC21	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
SC22	2305-001037	C-FILM,LEAD-PEF;330nF,5%,63V,TP,7.5x5.5x	
WC2L	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
FC4R	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
FC4L	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
FC2R	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
FC2L	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
WC38	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
MC13	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
MC12	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
WC40	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
WC42	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
WC44	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
FC30	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
FC33	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
HC1L	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
HC1R	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
HC5	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
HC6	2401-000048	C-AL;47uF,20%,25V,GP,TP,5x11,5	
UC6	2401-000240	C-AL;100uF,20%,10V,GP,TP,5x11,5	
OC2	2401-000240	C-AL;100uF,20%,10V,GP,TP,5x11,5	

Location no.	Code no.	Description & Specification	Remarks
SC8	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
AC62	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
AC41	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
AC13	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
SC7	2401-000438	C-AL;10UF,20%,25V,GP,-,5X11,5	
SC6	2401-000438	C-AL;10UF,20%,25V,GP,-,5X11,5	
WC36	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
WC34	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
UC18	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
UC19	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
UC20	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
UC7	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
UC9	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
WC5	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
UC17	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
FC91	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
HC11	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
SC17	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
UC11	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
UC10	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
SC18	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
HC10L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
CC3	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC9R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC9L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC8R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
HC10R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
UC4	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
SC1R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
SC1L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
MC9	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
MC10	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC4L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC3R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC3L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC15R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC15L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC4R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC8L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC6R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC6L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC5R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
AC5L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
UC3	2401-000759	C-AL;220nF,20%,50V,GP,TP,5x11mm,5mm	
AC15	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
WC4L	2401-001022	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
CC1	2401-001355	C-AL;470uF,20%,10V,GP,TP,8x11.5mm,5	
UC5	2401-001355	C-AL;470uF,20%,10V,GP,TP,8x11.5mm,5	
CC2	2401-001364	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
AC7L	2401-001952	C-AL;4.7uF,20%,50V,GP,TP,5x7mm,5mm	
AC7R	2401-001952	C-AL;4.7uF,20%,50V,GP,TP,5x7mm,5mm	
HC9R	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
HC9L	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
CL1	2701-000179	INDUCTOR-AXIAL;33UH,10%,4298	
CL2	2701-000179	INDUCTOR-AXIAL;33UH,10%,4298	
HL1R	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
HL1L	2701-000181	INDUCTOR-AXIAL;33uH,5%,2434	
BEAD5	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
BEAD4	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
BEAD3	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
BEAD2	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
	AH92-02150A	**ASSY PCB-FRONT;MM-ZJ9,247*330*1.6T**	
REM1	0609-001189	MODULE REMOCON;HORIZONTAL,16.4MM,TR	
VR1	3406-001047	SWITCH-ROTARY;5V DC,0.5mA,-,12mm	
SW15	3406-001100	SWITCH-ROTARY;5V DC,0.5MA,CLICK, WITH TA	
UCN1	3708-000454	CONNECTOR-FPC/FFC/PIC;22P,1.25MM,STRAIGH	
HP1	3722-001588	JACK-PHONE;7P,3.6PI,AG,BLK,-	
VFD1	AH07-00138A	VF DISPLAY;HCA-14LSO3T,MM-ZJ9,48.3*100,8	
UCN5	AH39-00660A	LEAD CONNECTOR-ASSY;MM-ZJ9,UL2547,-,7,25	
GND1	AH39-50001H	WIRE HARNESS;RING,1007#24,100MM,BLK	
GND2	AH39-50001H	WIRE HARNESS;RING,1007#24,100MM,BLK	
GND3	AH39-50001H	WIRE HARNESS;RING,1007#24,100MM,BLK	
GND3	AH39-50001L	WIRE HARNESS;RING,1007#24,200MM,BLK	
UD9	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD8	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UD5	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
UQ4	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ3	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ2	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
UQ1	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
ULD5	0601-001238	LED;ROUND,RED,3.1mm,697nm	
ULD4	0601-001238	LED;ROUND,RED,3.1mm,697nm	
ULD3	0601-001238	LED;ROUND,RED,3.1mm,697nm	
ULD2	0601-001238	LED;ROUND,RED,3.1mm,697nm	
ULD1	0601-001238	LED;ROUND,RED,3.1mm,697nm	
UR45	2001-000062	R-CARBON;470OHM,5%,1/4W,AA,TP,2.4X6.4MM	
UR5	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR11	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR12	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR6	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR7	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR13	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	

Location no.	Code no.	Description & Specification	Remarks
UR49	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR48	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR47	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR43	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR41	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR33	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR22	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR21	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR20	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR19	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR4	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR10	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR1	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR8	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR14	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR34	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR30	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR2	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR15	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR46	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR31	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR16	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR17	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR32	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
UR9	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR3	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
UR39	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
UR38	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
UR37	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
UR36	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
UR35	2001-001163	R-CARBON(S);560OHM,5%,1/2W,AA,TP,2.4X6.4	
UC2	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
UC1	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
UC32	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
UC31	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
UC30	2202-000781	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
UC18	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
UC20	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
UC23	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
UC9	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
UC10	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
UC11	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
UC12	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
UC17	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
UC13	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
UC14	2401-000240	C-AL;100uF,20%,10V,GP,TP,5x11,5	
UC8	2401-000438	C-AL;10UF,20%,25V,GP,-,5X11,5	
UC3	2401-000455	C-AL;10uF,20%,35V,GP,TP,4x7mm,5mm	
UC22	2401-000455	C-AL;10uF,20%,35V,GP,TP,4x7mm,5mm	
UC21	2401-000455	C-AL;10uF,20%,35V,GP,TP,4x7mm,5mm	
UC3	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
UC25	2401-001364	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
UC33	2401-001887	C-AL;100nF,20%,50V,-,TP,4x7mm,5	
BEAD1	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
SW2	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW20	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW3	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW4	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW5	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW6	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW7	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW8	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW9	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW19	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW10	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW11	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW12	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW13	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW18	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW17	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW16	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SW14	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
	AH92-02151A	ASSY PCB-POWER;MM-ZJ9,247*197,1.6T	
PD16	0402-001258	DIODE-BRIDGE;GBU606,600V,6A,SIP-4,BK	
PD3	0402-001258	DIODE-BRIDGE;GBU606,600V,6A,SIP-4,BK	
PQ4	0502-001138	TR-POWER;KSB1366,PNP,25W,TO-220F,BK,100	
PQ1	0502-001138	TR-POWER;KSB1366,PNP,25W,TO-220F,BK,100	
PQ2	0503-001016	TR-DARLINGTON;2SB1626-P,PNP,30W,TO-220F,	
PIC4	1201-000191	IC-OP AMP;4558,DIP,8P,300MIL,DUAL,20V/mV	
PIC1	1203-000110	IC-NEGA.FIXED REG.;7912,TO-220,3P,-,PLAS	
PIC6	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P,-,PLAS	
PIC3	1203-001006	IC-POSI.FIXED REG.;78R05,TO-220F,4P,-,PL	
PIC5	1203-002560	IC-POSI.FIXED REG.;NJM7805,TO-220F,3P,-,	
PIC2	1203-002560	IC-POSI.FIXED REG.;NJM7805,TO-220F,3P,-,	
PR12	2003-000701	R-METAL OXIDE(S);470ohm,5%,2W,AA,TP,4x12	
PR5	2008-000138	R-FUSIBLE;1ohm,5%,2W,AA,TP,6.5x17mm	
PC22	2201-000795	C-CERAMIC,DISC;10NF,10%,400V,Y5P,TP,15X1	
PC21	2201-000795	C-CERAMIC,DISC;10NF,10%,400V,Y5P,TP,15X1	
PC9	2401-000230	C-AL;100uF,20%,100V,GP,TP,12.5x20mm	
PC25	2401-001882	C-AL;1000uF,20%,16V,LZ,-,10x20,-	
PC6	2401-003116	C-AL;4700uF,20%,35V,-,BK,18X35.5,7.	

Location no.	Code no.	Description & Specification	Remarks
PC7	2401-003116	C-AL;4700uF,20%,35V,-,BK,18X35.5,7.	
PC12	2401-003852	C-AL;6800UF,20%,50V,GP,BK,22X40MM,1	
PC11	2401-003852	C-AL;6800UF,20%,50V,GP,BK,22X40MM,1	
PRL2	3501-001008	RELAY-POWER;12VDC,530MW,10000MA,1FORMC,1	
PRL1	3501-001060	RELAY-POWER;12VDC,1.92W,20000MA,2FOMEA,2	
FS8	3601-000170	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,GLASS,	
FS7	3601-000170	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,GLASS,	
FS1	3601-000248	FUSE-CARTRIDGE;250V,2A,TIME-LAG,GLASS,5x	
FS6	3601-000301	FUSE-CARTRIDGE;250V,6.3A,TIME-LAG,GLASS,	
FS5	3601-000301	FUSE-CARTRIDGE;250V,6.3A,TIME-LAG,GLASS,	
PCN5	3711-000190	CONNECTOR-HEADER;1WALL,2P,1R,7.92MM,STRA	
PCN3	3711-000820	CONNECTOR-HEADER;BOX,2P,1R,2.5MM,STRAIGH	
PCN2	3711-001054	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGH	
SCREW	6003-001375	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	
PT2	AH26-00264A	TRANS POWER-ECO TRANS POWER;ECO TRANS PO	
PL2	AH27-10001F	COIL-CHOKE;27uH,K,Q30,-,-,DR(6.5*7.5),-,	
PL1	AH27-10001F	COIL-CHOKE;27uH,K,Q30,-,-,DR(6.5*7.5),-,	
CN4	AH39-00659A	LEAD CONNECTOR-ASSY;MM-ZJ9,UL1007,-,15,2	
PD7	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
PD20	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
PD2	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
PD11	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
PD1	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
PD4	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD5	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD6	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD8	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD9	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD19	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD10	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD12	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD13	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD14	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PD18	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PZD5	0403-000352	DIODE-ZENER;UZ4.7BM,4.4-5V,500MW,DO-35,T	
PZD1	0403-000352	DIODE-ZENER;UZ4.7BM,4.4-5V,500MW,DO-35,T	
PZD6	0403-000358	DIODE-ZENER;UZ5.6BSB,5.46-5.7V,500MW,DO-	
PZD3	0403-000380	DIODE-ZENER;UZP13B,12.4-14.1V,1000MW,DO-	
PZD2	0403-000380	DIODE-ZENER;UZP13B,12.4-14.1V,1000MW,DO-	
PZD4	0403-000509	DIODE-ZENER;MTZJ5.6B,5.4-5.7V,500MW,DO-3	
PQ8	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
PQ7	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
PQ5	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
PQ11	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
PQ10	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
PQ6	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,TO-92,	
PQ3	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
PQ9	0504-001128	TR-DIGITAL;KRA103M,PNP,400MW,22K/22K,TO-	
PR23	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR9	2001-000066	R-CARBON(S);10KOHM,5%,1/2W,AA,TP,2.4X6.4	
PR18	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PR26	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PR24	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PR37	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR3	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR1	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR20	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR36	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR21	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PR8	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR42	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR38	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR33	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR32	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR27	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR25	2001-000563	R-CARBON;27KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR7	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PR22	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PR13	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR17	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PR11	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PR10	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
PR4	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
PR2	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
PR6	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.	
PR40	2001-001070	R-CARBON(S);120OHM,5%,1/2W,AA,TP,2.4X6.4	
PR39	2001-001077	R-CARBON(S);150OHM,5%,1/2W,AA,TP,2.4X6.4	
PR31	2001-001107	R-CARBON(S);220ohm,5%,1/2W,AA,TP,2.4x6.4	
PR19	2001-001124	R-CARBON(S);3.9OHM,5%,1/2W,AA,TP,2.4X6.4	
PR16	2001-001153	R-CARBON(S);47OHM,5%,1/2W,AA,TP,2.4X6.4M	
PR15	2001-001153	R-CARBON(S);47OHM,5%,1/2W,AA,TP,2.4X6.4M	
PR14	2008-000137	R-FUSIBLE;1ohm,5%,1W,AA,TP,4.3x13mm	
PC31	2201-000161	C-CERAMIC,DISC;10NF,+80-20%,500V,Y5V,TP,	
PC32	2201-000161	C-CERAMIC,DISC;10NF,+80-20%,500V,Y5V,TP,	
PC33	2201-000161	C-CERAMIC,DISC;10NF,+80-20%,500V,Y5V,TP,	
PC30	2201-000161	C-CERAMIC,DISC;10NF,+80-20%,500V,Y5V,TP,	
PC23	2201-000161	C-CERAMIC,DISC;10NF,+80-20%,500V,Y5V,TP,	
PC16	2201-000161	C-CERAMIC,DISC;10NF,+80-20%,500V,Y5V,TP,	
PC13	2201-000161	C-CERAMIC,DISC;10NF,+80-20%,500V,Y5V,TP,	
PC27	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
PC8	2401-000357	C-AL;100uF,20%,50V,GP,-,8x11.5,3.5m	
PC2	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
PC26	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
PC24	2401-000778	C-AL;220uF,20%,10V,GP,-,6.3x11,2.5m	
PC29	2401-000804	C-AL;220uF,20%,16V,GP,TP,8x9mm,5	
PC14	2401-000830	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
PC15	2401-000830	C-AL;220uF,20%,25V,GP,TP,8x11.5,5	
PC10	2401-001020	C-AL;3.3UF,20%,50V,GP,TP,4X7,5	
PC3	2401-001625	C-AL;6.8uF,20%,50V,GP,TP,5x11,5	
PC4	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
PC1	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
BEAD1	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
BEAD2	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
BEAD3	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
FS1	3602-000147	FUSE-CLIP;250V,7.5A,30mohm	
	AH92-02152A	**ASSY PCB-DECK;MM-ZJ9,247*247,1.6T**	
JIC1	1201-001899	IC-PREAMP;HA12237F,QFP,40P,7X7MM,-,-,PLA	
JCON2	3708-000193	CONNECTOR-FPC/FFC/PIC;17P,1.25MM,STRAIGH	
JCON3	3708-000411	CONNECTOR-FPC/FFC/PIC;12P,1.25MM,STRAIGH	
JL1L	AH26-10002W	TRANS TRAP-COIL;BIAS-TRAP105K,BIAS-TRAP,	
JL1R	AH26-10002W	TRANS TRAP-COIL;BIAS-TRAP105K,BIAS-TRAP,	
JT1	AH26-10003C	TRANS TRAP-COIL;PCHNS-5371EQJ,BIAS-TRAP,	
JCW1	AH39-00662A	LEAD CONNECTOR ASSY;-,5295,PHR,-,6P,150M	
	AH94-01454A	ASSY TAPG-DECK;MM-ZJ9,247*247,1.6T	
JD1	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
JD2	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
JZD1	0403-000354	DIODE-ZENER;UZ5.1B,4.8-5.4V,500MW,DO-35,	
JQ5R	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ5L	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ4R	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ4L	0501-000010	TR-SMALL SIGNAL;KSC1008,NPN,800mW,TO-92,	
JQ9	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
JQ12	0501-000422	TR-SMALL SIGNAL;KTA1273,PNP,-30V,-30V,-2	
JQ13	0501-000422	TR-SMALL SIGNAL;KTA1273,PNP,-30V,-30V,-2	
JQ7	0501-000422	TR-SMALL SIGNAL;KTA1273,PNP,-30V,-30V,-2	
JQ8	0501-002409	TR-SMALL SIGNAL;KTC945B,NPN,625MW,TO-92,	
JQ10	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
JQ11	0504-000118	TR-DIGITAL;KSR1003,NPN,300MW,22K/22K,TO-	
JQ3	0504-001128	TR-DIGITAL;KRA103M,PNP,400MW,22K/22K,TO-	
JR20	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR17	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR12	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4M	
JR26R	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR26L	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR27R	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR27L	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR33	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR40	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR32R	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR32L	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR2	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR1	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR28R	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR28L	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR01R	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR01L	2001-000356	R-CARBON;150KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR7R	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR7L	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR43	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR42	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR24R	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR24L	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR14	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR35	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR9	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR5R	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR5L	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR31R	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR31L	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR30R	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR30L	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR13	2001-000456	R-CARBON;2.2OHM,5%,1/4W,AA,TP,2.4X6.4MM	
JR3	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR34	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR8	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR10	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR18	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR19	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR4R	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR4L	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR41	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR39	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR38	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR37	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR36	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR11R	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR11L	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
JR29R	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR29L	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
JR21A	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4M	
JR23	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
JR22	2001-001178	R-CARBON(S);680OHM,5%,1/2W,AA,TP,2.4X6.4	
JC19R	2201-000163	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,7	
JC19L	2201-000163	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,7	
JC17R	2201-000163	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,7	

Location no.	Code no.	Description & Specification	Remarks
JC17L	2201-000163	C-CERAMIC,DISC;10NF,+80-20%,50V,Y5V,TP,7	
JC4R	2201-000368	C-CERAMIC,DISC;0.22NF,10%,50V,SL,TP,6.5X	
JC4L	2201-000368	C-CERAMIC,DISC;0.22NF,10%,50V,SL,TP,6.5X	
JC15R	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
JC15L	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
JC22L	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
JC22R	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
JC11R	2202-000847	C-CERAMIC,MLC-AXIAL;1,8nF,30%,50V,Y5S,TP	
JC11L	2202-000847	C-CERAMIC,MLC-AXIAL;1,8nF,30%,50V,Y5S,TP	
JC18L	2301-000375	C-FILM,LEAD-PEF;100nF,5%,50V,TP,11x12.5x	
JC18R	2301-000375	C-FILM,LEAD-PEF;100nF,5%,50V,TP,11x12.5x	
JC13R	2301-000379	C-FILM,LEAD-PEF;10nF,10%,50V,TP,6x12x3.5	
JC13L	2301-000379	C-FILM,LEAD-PEF;10nF,10%,50V,TP,6x12x3.5	
JC8	2301-000390	C-FILM,LEAD-PEF;15nF,10%,50V,TP,7x12x3.5	
JC6	2301-000404	C-FILM,LEAD-PEF;2.2nF,10%,50V,TP,5.5x12x	
JC5	2301-000407	C-FILM,LEAD-PEF;2.7nF,10%,50V,TP,5.5x12x	
JC3	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
JC23	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
JC16R	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
JC16L	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
JC24	2401-000303	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
JC20R	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
JC20L	2401-000651	C-AL;2.2uF,20%,50V,GP,TP,4x7,5	
JC30	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC10	2401-001912	C-AL;1uF,20%,50V,GP,BK,5x11mm,2mm	
JC9R	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
JC9L	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
JC7	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
JC27	2401-001975	C-AL;47uF,20%,16V,GP,TP,5x11mm,5mm	
JL2	2701-000298	INDUCTOR-AXIAL;470uH,10%,4298	
	AH92-02153A	**ASSY PCB-AMP;MM-ZJ9,247*163,1.6T**	
AFQ8	0505-001873	FET-SILICON;FQPF13N10,N,100V,8.7A,0.18oh	
AFQ6	0505-001873	FET-SILICON;FQPF13N10,N,100V,8.7A,0.18oh	
AFQ4	0505-001873	FET-SILICON;FQPF13N10,N,100V,8.7A,0.18oh	
AFQ2	0505-001873	FET-SILICON;FQPF13N10,N,100V,8.7A,0.18oh	
AFQ7	0505-001874	FET-SILICON;FQPF12P10,P,-100,-8.2A,0.29o	
AFQ5	0505-001874	FET-SILICON;FQPF12P10,P,-100,-8.2A,0.29o	
AFQ3	0505-001874	FET-SILICON;FQPF12P10,P,-100,-8.2A,0.29o	
AFQ1	0505-001874	FET-SILICON;FQPF12P10,P,-100,-8.2A,0.29o	
AR96	2003-000473	R-METAL OXIDE(S);10ohm,5%,3W,AA,TP,6x16m	
AR81	2003-000473	R-METAL OXIDE(S);10ohm,5%,3W,AA,TP,6x16m	
AR46	2003-000473	R-METAL OXIDE(S);10ohm,5%,3W,AA,TP,6x16m	
AR41	2003-000473	R-METAL OXIDE(S);10ohm,5%,3W,AA,TP,6x16m	
AC21	2401-000871	C-AL;220uF,20%,50V,GP,-,10x16mm,5mm	
AC13	2401-000871	C-AL;220uF,20%,50V,GP,-,10x16mm,5mm	
AJ1	3716-001205	TERMINAL-BLOCK;SOLDER,4P,6.3MM,60V,7A	
AL4	AH27-00058A	COIL CHOKE;ID15-15,MM-ZJ9,15,-,-,30m?,-,	
AL3	AH27-00058A	COIL CHOKE;ID15-15,MM-ZJ9,15,-,-,30m?,-,	
AL2	AH27-00058A	COIL CHOKE;ID15-15,MM-ZJ9,15,-,-,30m?,-,	
AL1	AH27-00058A	COIL CHOKE;ID15-15,MM-ZJ9,15,-,-,30m?,-,	
ACW1	AH39-00579A	LEAD CONNECTOR-ASSY;RCD-Y95,1007#22,UL,6	
ACW2	AH39-00660B	LEAD CONNECTOR-ASSY;MM-ZJ9,UL2547,-,7,1	
	AH62-00124A	HEAT SINK-MAIN;MM-ZJ9,AL T3.0,-,-,-,-,-,	
AD2	0401-001090	DIODE-SWITCHING;1SS355,80V,100MA,SOD-323	
AD1	0401-001090	DIODE-SWITCHING;1SS355,80V,100MA,SOD-323	
AZD5	0403-001464	DIODE-ZENER;UDZS12B,11.74-12.24V,200MW,S	
AZD6	0403-001464	DIODE-ZENER;UDZS12B,11.74-12.24V,200MW,S	
AZD7	0403-001464	DIODE-ZENER;UDZS12B,11.74-12.24V,200MW,S	
AZD8	0403-001464	DIODE-ZENER;UDZS12B,11.74-12.24V,200MW,S	
AZD1	0403-001464	DIODE-ZENER;UDZS12B,11.74-12.24V,200MW,S	
AZD2	0403-001464	DIODE-ZENER;UDZS12B,11.74-12.24V,200MW,S	
AZD3	0403-001464	DIODE-ZENER;UDZS12B,11.74-12.24V,200MW,S	
AZD4	0403-001464	DIODE-ZENER;UDZS12B,11.74-12.24V,200MW,S	
AQ2	0501-000312	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
AQ4	0501-000312	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
AQ5	0501-000312	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
AQ9	0501-000312	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
AQ11	0501-000312	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
AQ12	0501-000312	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
AQ15	0501-000312	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
AQ17	0501-000312	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
AQ16	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ3	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ6	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ7	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ10	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ13	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ14	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AIC4	1003-001740	IC-FET DRIVER;S1A0051,TSSOP,16P,5x4.4mm,	
AIC2	1003-001740	IC-FET DRIVER;S1A0051,TSSOP,16P,5x4.4mm,	
AIC3	1201-002145	IC-AUDIO AMP;S1A0071,TSSOP,48P,6.1x12.5m	
AIC1	1201-002145	IC-AUDIO AMP;S1A0071,TSSOP,48P,6.1x12.5m	
AR001	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
AR70	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR69	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR64	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR50	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR49	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR72	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR99	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR98	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
AR94	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR83	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR79	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR21	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR20	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR15	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR113	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR100	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR22	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR48	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR44	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR43	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR39	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR308	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR8	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	
AR4	2007-000081	R-CHIP;2.7Kohm,5%,1/10W,TP,1608	
AR63	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR62	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR3	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR2	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR200	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR201	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR74	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR85	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR86	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR93	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR24	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR30	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR32	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR38	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR66	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR68	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR71	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR82	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR97	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR65	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR14	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR16	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR19	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR42	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR47	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
AR56	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AR57	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AR6	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AR7	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AR10	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AR11	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AR52	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AR53	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AR84	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR78	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR75	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR73	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR87	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR88	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR91	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR92	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR23	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR25	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR28	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR29	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR37	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR35	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR33	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR31	2007-000104	R-CHIP;150Kohm,5%,1/10W,TP,1608	
AR17	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	
AR112	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	
AR111	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	
AR110	2007-000106	R-CHIP;220Kohm,5%,1/10W,TP,1608	
AR305	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	
AR303	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	
AR54	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	
AR51	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
AR1	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
AR9	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR61	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR60	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR55	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR5	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR76	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
AR77	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
AR89	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
AR90	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
AR26	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
AR27	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
AR34	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
AR36	2007-000309	R-CHIP;10ohm,5%,1/10W,TP,1608	
AR13	2007-001179	R-CHIP;8.2Kohm,5%,1/10W,TP,1608	
AR95	2007-007069	R-CHIP;0.05OHM,1%,1W,TP,6432	
AR80	2007-007069	R-CHIP;0.05OHM,1%,1W,TP,6432	
AR45	2007-007069	R-CHIP;0.05OHM,1%,1W,TP,6432	
AR40	2007-007069	R-CHIP;0.05OHM,1%,1W,TP,6432	
AC77	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	

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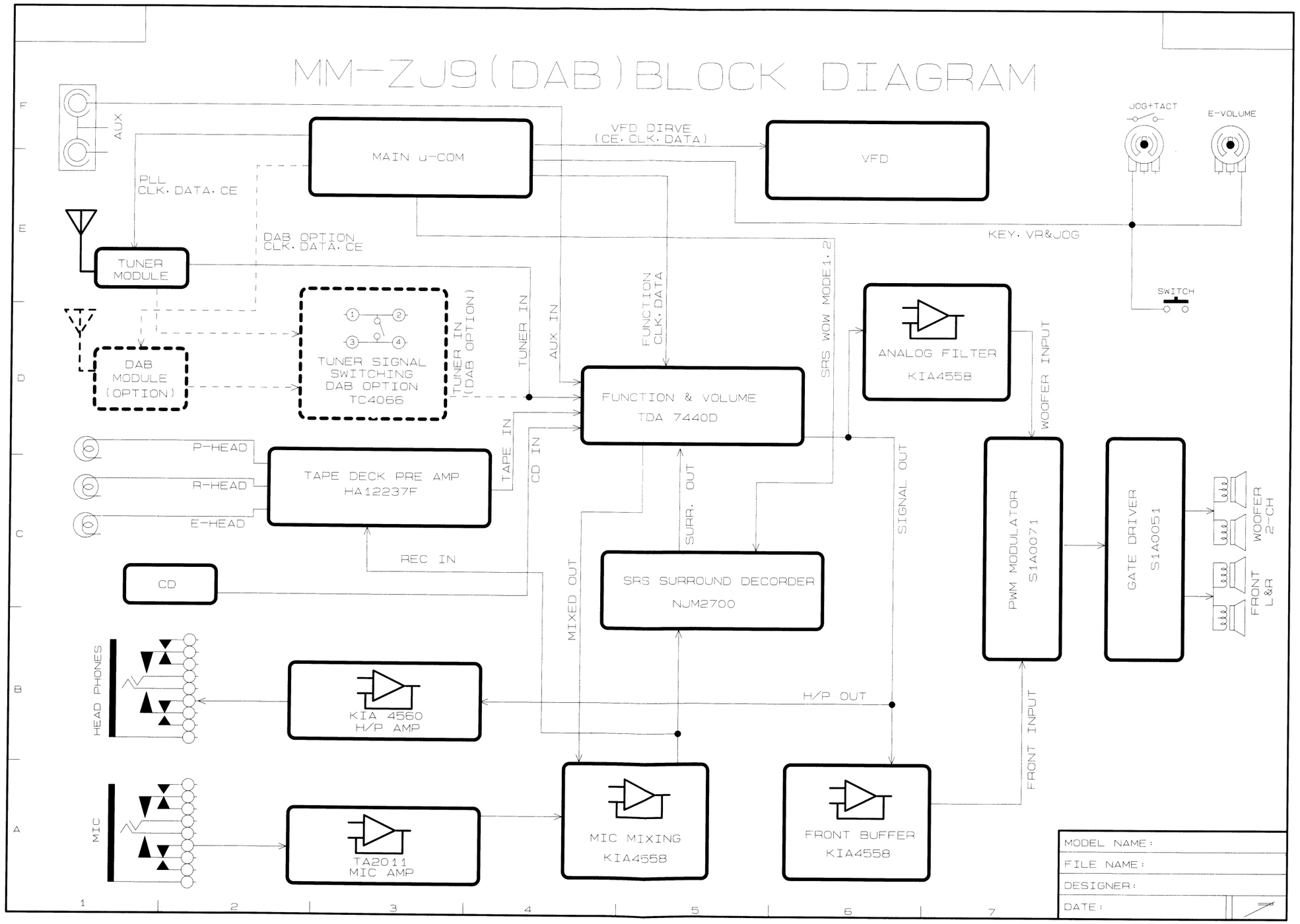
AC79	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
AC81	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
AC83	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
AC28	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
AC30	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
AC35	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
AC50	2201-000783	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,	
AC65	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	
AC62	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	
AC3	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	
AC15	2203-000189	C-CER,CHIP;100nF,+80-20%,25V,Y5V,TP,1608	
AC42	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
AC7	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
AC6	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
AC201	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
AC200	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
AC8	2203-001034	C-CER,CHIP;5.6nF,10%,50V,X7R,TP,1608,-	
AC60	2203-001034	C-CER,CHIP;5.6nF,10%,50V,X7R,TP,1608,-	
AC54	2203-001034	C-CER,CHIP;5.6nF,10%,50V,X7R,TP,1608,-	
AC5	2203-001034	C-CER,CHIP;5.6nF,10%,50V,X7R,TP,1608,-	
AC61	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	
AC55	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	
AC48	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	
AC4	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	
AC89	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC88	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC87	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC92	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC93	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC94	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC38	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC40	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC41	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC45	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC44	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC43	2203-001137	C-CER,CHIP;68nF,+80-20%,50V,Y5V,TP,2012,	
AC84	2203-001408	C-CER,CHIP;0.27nF,5%,50V,NP0,TP,1608	
AC80	2203-001408	C-CER,CHIP;0.27nF,5%,50V,NP0,TP,1608	
AC33	2203-001408	C-CER,CHIP;0.27nF,5%,50V,NP0,TP,1608	
AC27	2203-001408	C-CER,CHIP;0.27nF,5%,50V,NP0,TP,1608	
AC53	2203-001630	C-CER,CHIP;330nF,+80-20%,16V,Y5V,TP,1608	
AC68	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,TP,201	
AC18	2203-002793	C-CER,CHIP;1000nF,+80-20%,25V,Y5V,TP,201	
AC20	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC49	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC64	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC66	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC67	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC103	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC104	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC14	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC17	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC19	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
AC56	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC58	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC51	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC91	2301-000128	C-FILM,LEAD-PEF;100nF,5%,50V,TP,10X9X4.3	
AC86	2301-000128	C-FILM,LEAD-PEF;100nF,5%,50V,TP,10X9X4.3	
AC46	2301-000128	C-FILM,LEAD-PEF;100nF,5%,50V,TP,10X9X4.3	
AC39	2301-000128	C-FILM,LEAD-PEF;100nF,5%,50V,TP,10X9X4.3	
AC90	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
AC85	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
AC47	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
AC37	2305-000412	C-FILM,LEAD-PEF;470nF,5%,63V,TP,-,5mm	
AC69	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
AC72	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
AC73	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
AC76	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
AC22	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
AC25	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
AC26	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
AC34	2401-000213	C-AL;100nF,20%,50V,GP,TP,3x5,2.5	
AC95	2401-000407	C-AL;10UF,20%,16V,GP,TP,3.5X5,2.5	
AC63	2401-000407	C-AL;10UF,20%,16V,GP,TP,3.5X5,2.5	
AC16	2401-000407	C-AL;10UF,20%,16V,GP,TP,3.5X5,2.5	
AC52	2401-001238	C-AL;4.7uF,20%,25V,GP,BK,3x5,1mm	
AC32	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC70	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC71	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC74	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC75	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC1	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC2	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC23	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC24	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC31	2401-001324	C-AL;0.47UF,20%,50V,GP,BK,3X5,2.5	
AC98	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
AC97	2401-001502	C-AL;47uF,20%,16V,GP,TP,6.3x5,2.5	
	AH97-01330A	ASSY-CA'DECK;-,MM-ZJ9,ASSY CA	

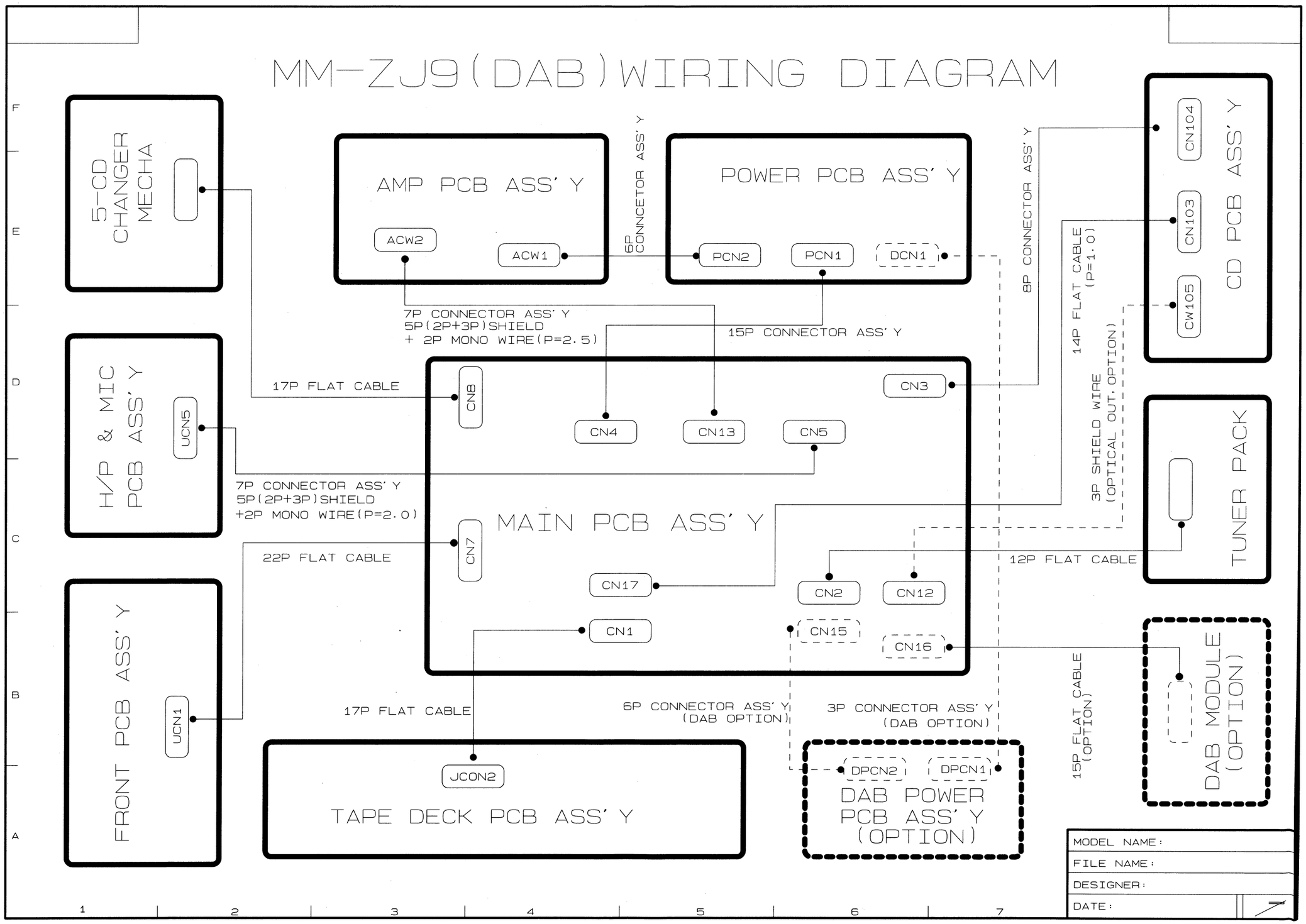
Location no.	Code no.	Description & Specification	Remarks
JCW1-1	3809-001279	CABLE-FLAT;30V,80C,200MM,17P,1.25MM,UL28	
	3809-001434	CABLE-FLAT;30V,80C,100MM,12P,1.25MM,UL28	
LEAD	AH39-00321A	LEAD CONNECTOR ASSY;-,-,-,-,-,BLK,-,-,-	
	AH59-01304A	**DECK-CASSETTE;ADR249BTR2,RCD-Y95,-,-,DC1**	
	AH81-00102A	A/S-SOLENOID;DAT-05A1,MT75-00049A,-,-,-	
	AH81-00144A	A/S-BELT FR;ADR2400-MAIN64.6,6602-001050	
	AH81-00286A	A/S-SWITCH;ADR2400-MODE,-	
	AH81-00287A	A/S-PHOTO SENSOR;ADR2400,0604-000199,-,-	
	AH81-01410A	A/S-HEAD ASSY;TR56RAF2N1,MT59-11013F,-,-	
	AH81-01411A	A/S-BELT SUB;37*1.1*1.1,6602-K0001A,-,-	
	AH81-01412A	A/S-MOTOR ASSY;EG-530AD-2B,MT91-15013Y,-	
	AH81-01413A	A/S PART-CONTROL PCB ASS'Y,MT91-21019R,M	

4. Block Diagram

4-1 MAIN Part



5. Wiring Diagram



6. Schematic Diagram

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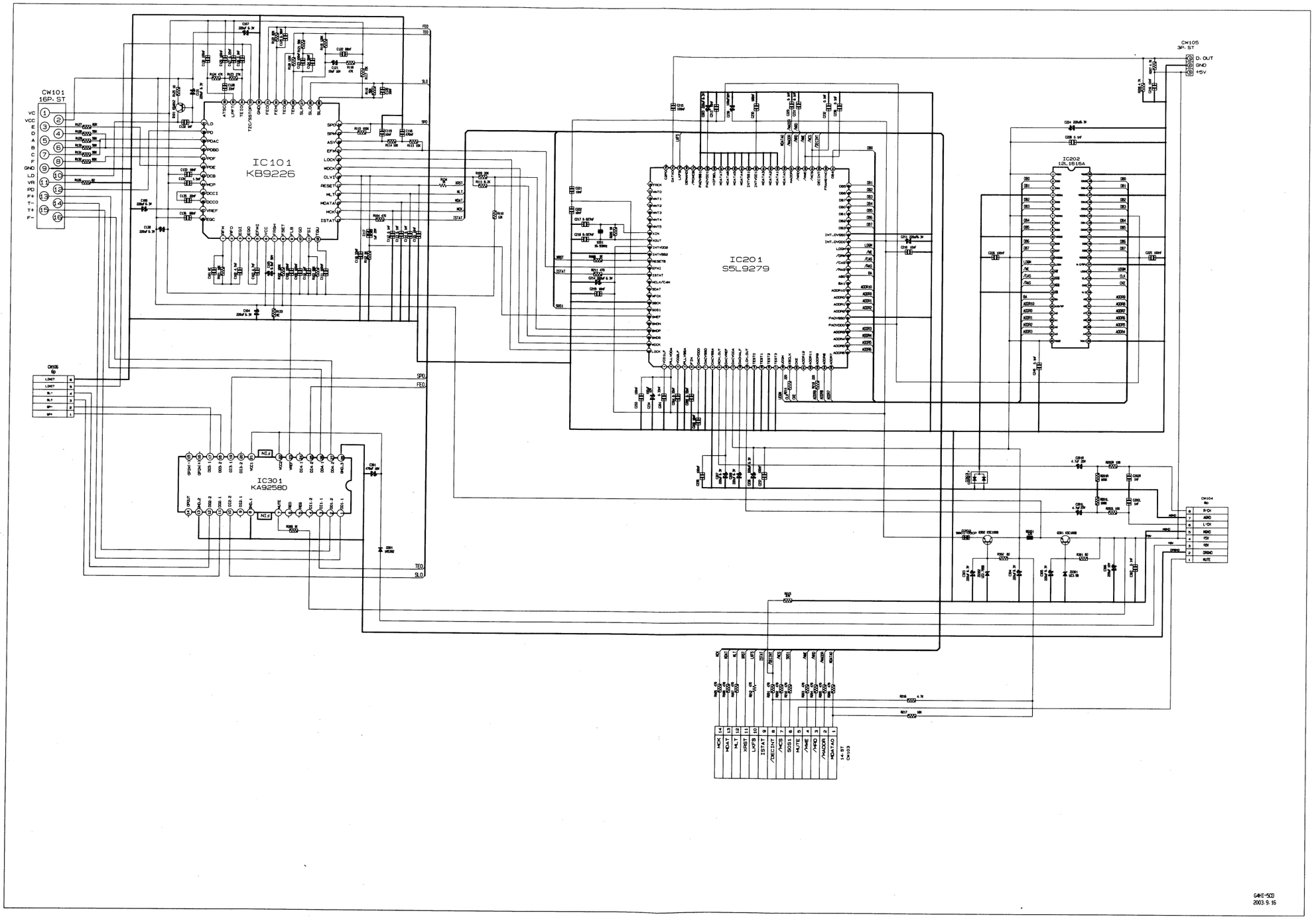
6-1 CD



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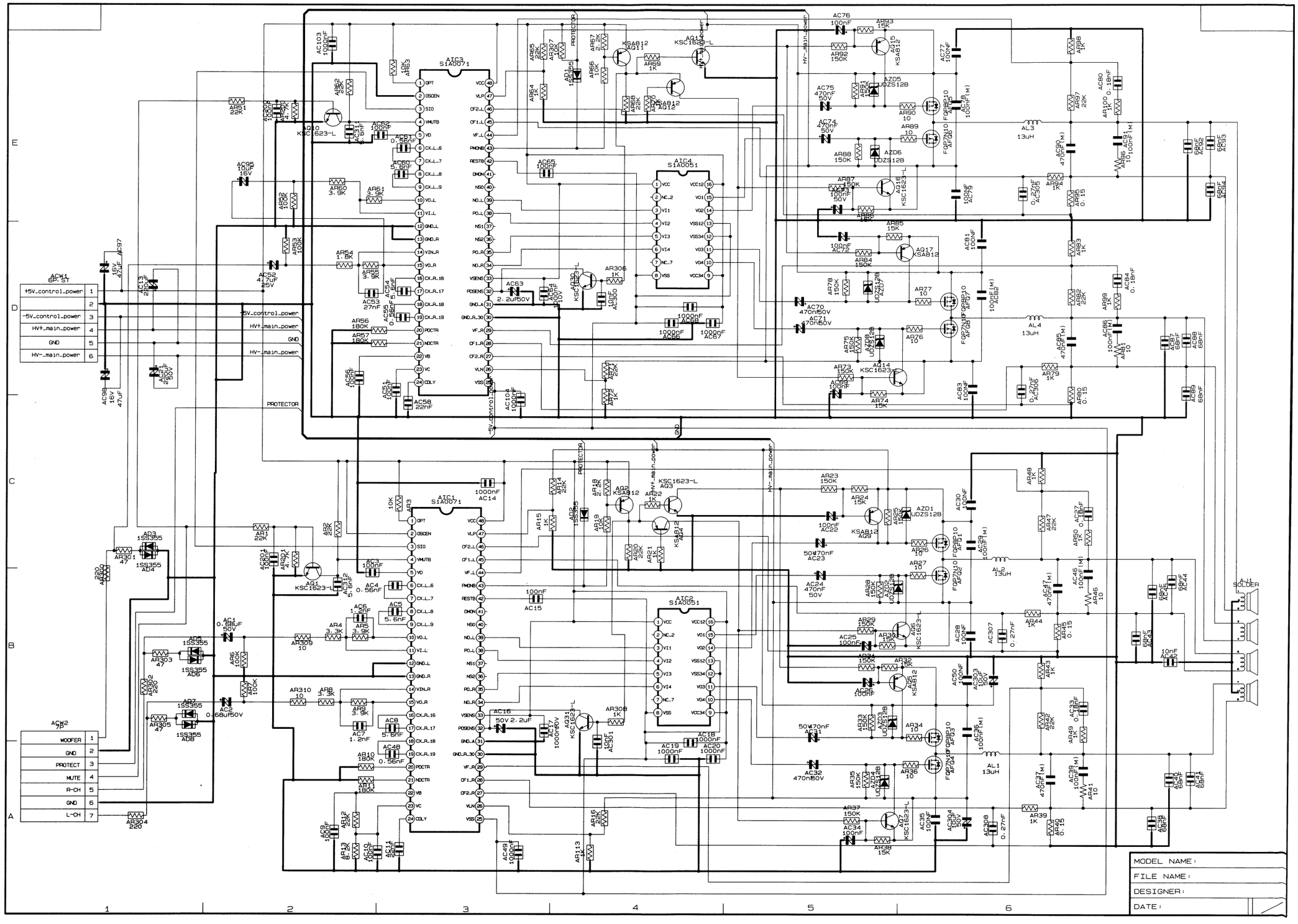

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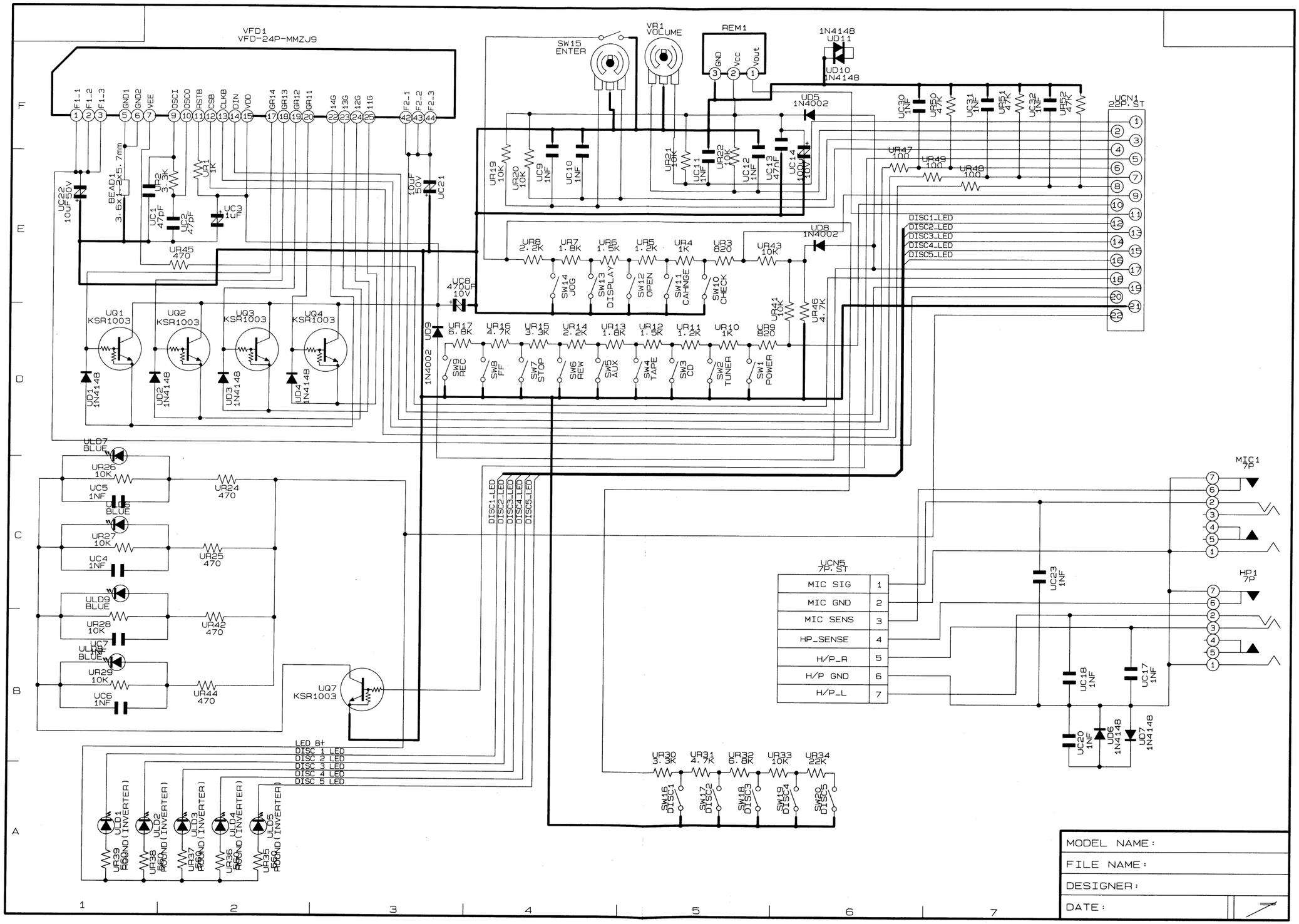

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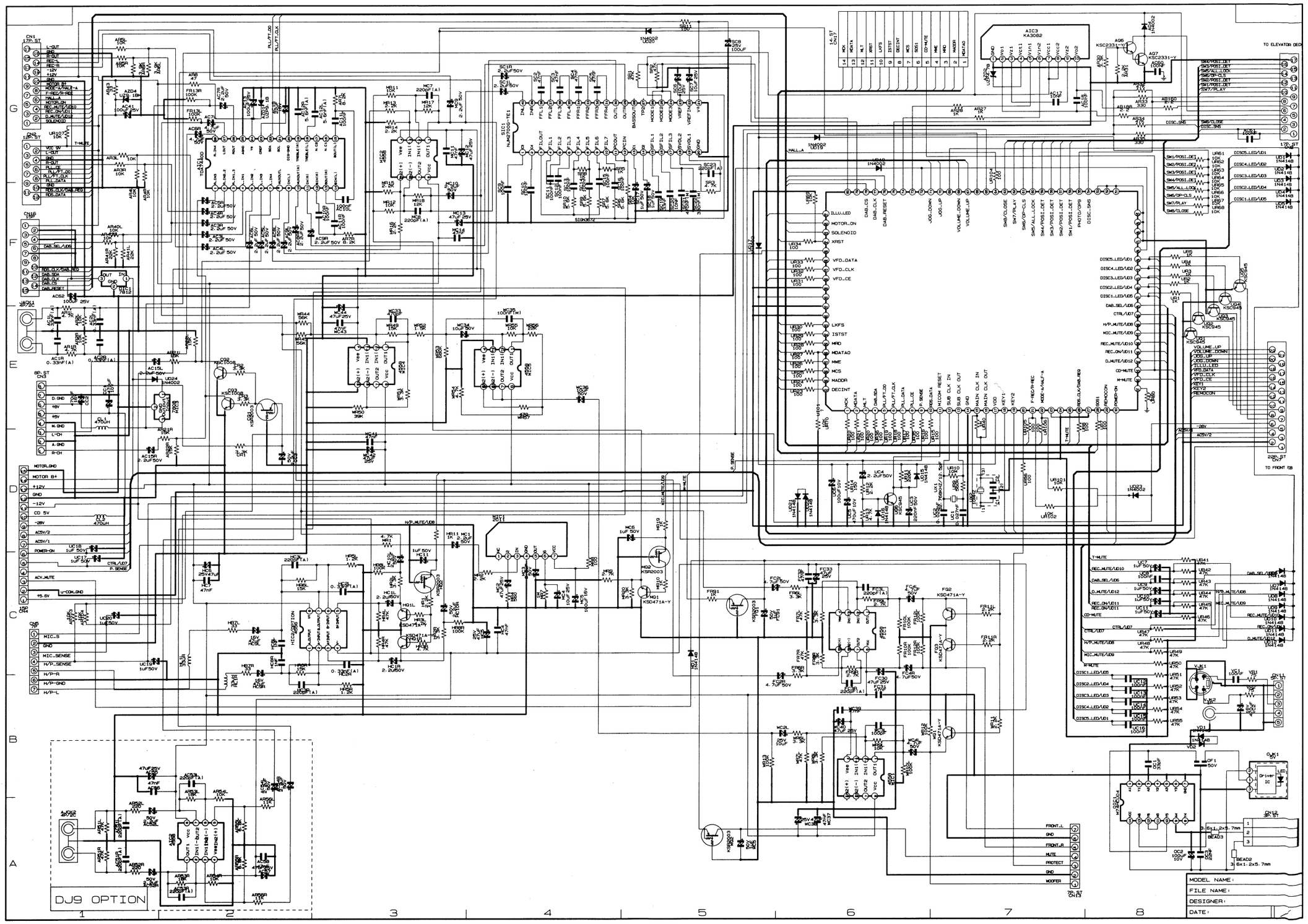

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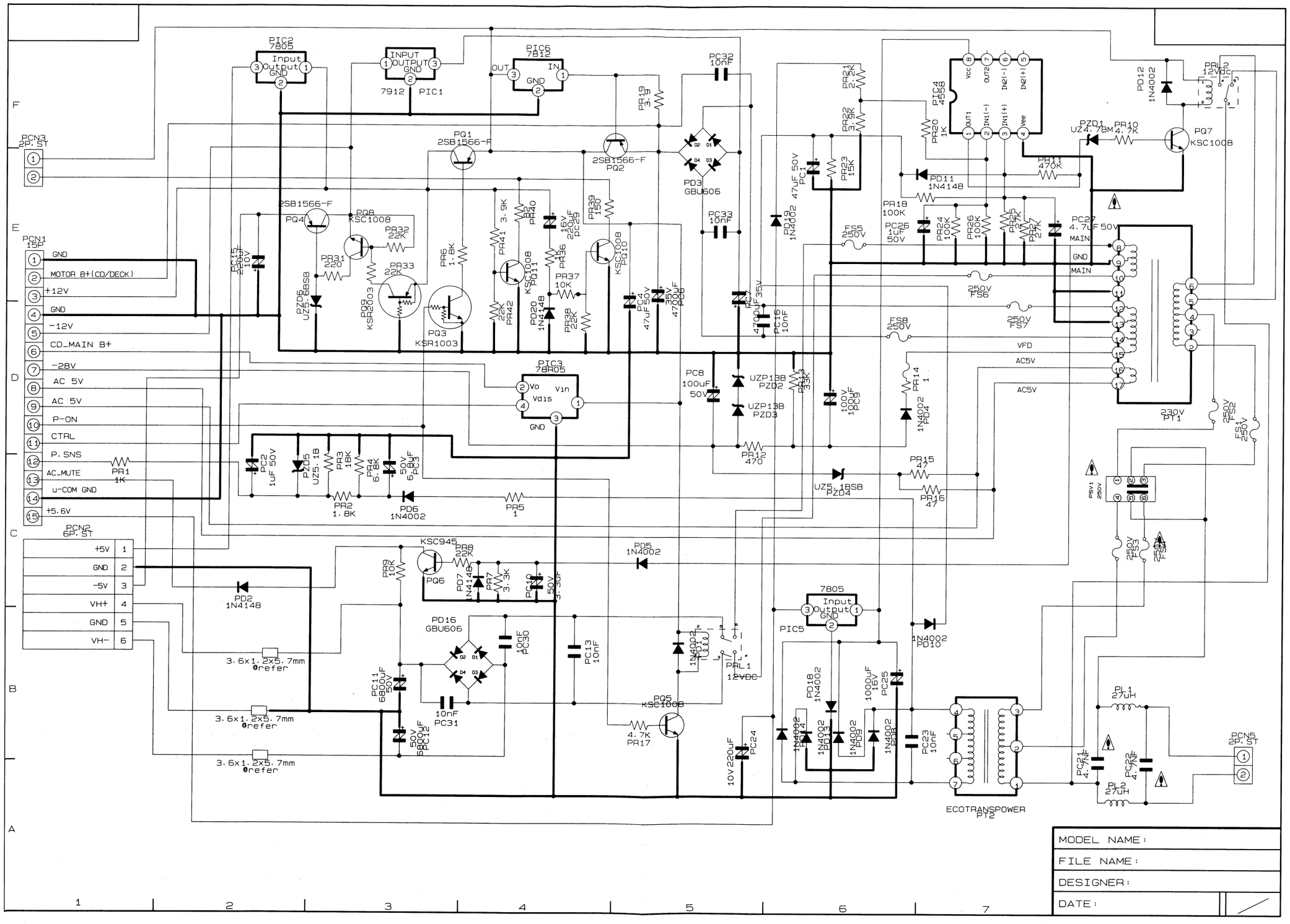

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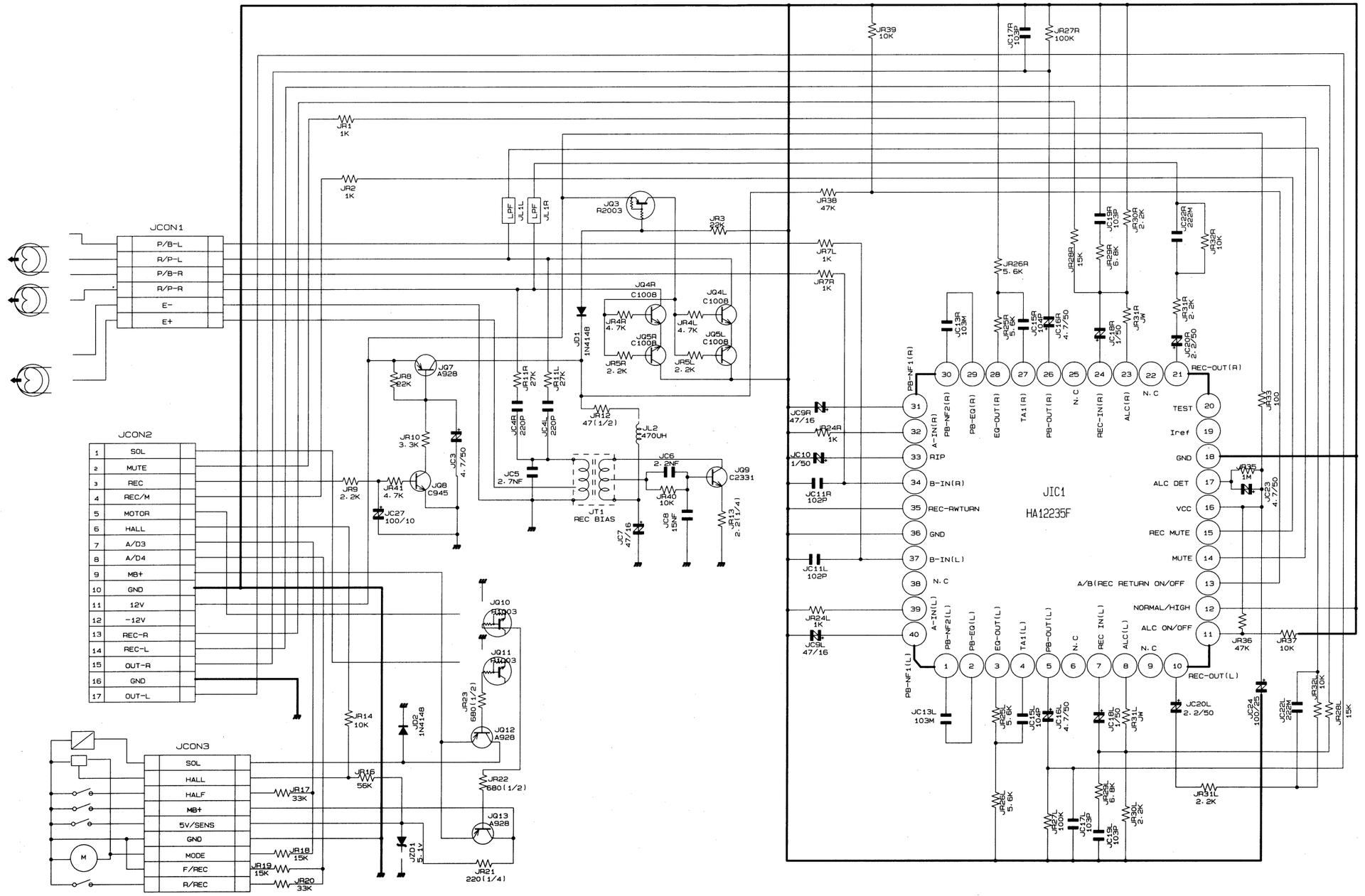

MMZ89.D

K.S.PARK

2001.06.26

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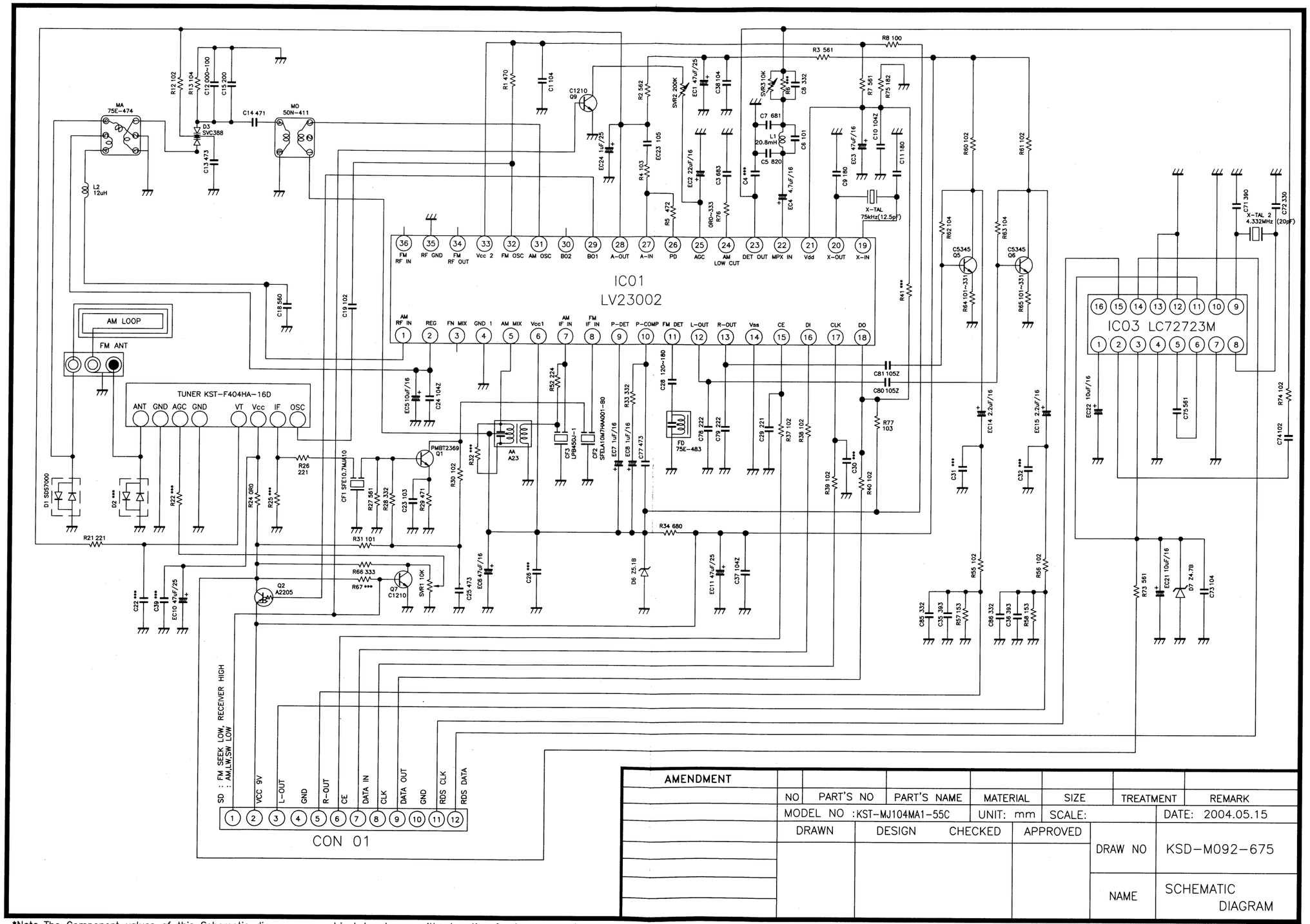

AMENDMENT							
	NO	PART'S NO	PART'S NAME	MATERIAL	SIZE	TREATMENT	REMARK
	MODEL NO : KST-MJ104MA1-55C			UNIT: mm	SCALE:		DATE: 2004.05.15
	DRAWN	DESIGN	CHECKED	APPROVED	DRAW NO	KSD-M092-675	
					NAME	SCHEMATIC DIAGRAM	

*Note. The Component values of this Schematic diagram are subject to change without notice for improvement.

MM-ZJ9
MM-ZJ9DAB

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